

## Active Recombinant Human IL24, HlgG1 Fc-tagged, mutant

Cat. No. IL24-585H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The extracellular domain of human IL-24 (AAH09681.1)(Gln53-Leu207) is fused to the N-terminus of the Fc region of a mutant human IgG1 was expressed in CHO cell.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 53-207 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes a member of the IL10 family of cytokines. It was identified as a gene induced during terminal differentiation in melanoma cells. The protein encoded by this gene can induce apoptosis selectively in various cancer cells. Overexpression of this gene leads to elevated expression of several GADD family genes, which correlates with the induction of apoptosis. The phosphorylation of mitogen-activated protein kinase 14 (MAPK7/P38), and heat shock 27kDa protein 1 (HSPB2/HSP27) are found to be induced by this gene in melanoma cells, but not in normal immortal melanocytes. Alternatively spliced transcript variants encoding distinct isoforms have been reported |
| <b>Form</b>             | Lyophilized from 0.2µm-filtered solution in PBS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Bio-activity</b>     | Measured in a cell proliferation assay.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 44KDa (monomer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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|                       |                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>AA Sequence</b>    | Gln53-Leu207                                                                                                                        |
| <b>Endotoxin</b>      | <0.06 eu/μg="" as="" determined="" by="" lal="" test="">                                                                            |
| <b>Purity</b>         | >98%, by SDS-PAGE under reducing conditions.                                                                                        |
| <b>Stability</b>      | Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C. |
| <b>Reconstitution</b> | Reconstitute at 100μg/ml in sterile PBS.                                                                                            |
| <b>Warning</b>        | Avoid freeze/thaw cycles.                                                                                                           |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">IL24 interleukin 24 [ Homo sapiens ]</a>                                                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b> | IL24                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | IL24; interleukin 24; ST16; interleukin-24; C49A; FISP; IL 4 induced secreted protein; IL 24; IL10B; mda 7; melanoma differentiation association protein 7; Mob 5; suppression of tumorigenicity 16 (melanoma differentiation); melanocyte-associated Mda-7; IL-4-induced secreted protein; melanoma differentiation-associated gene 7 protein; MDA7; MOB5; |
| <b>Gene ID</b>         | <a href="#">11009</a>                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | <a href="#">NM_001185156</a>                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>  | <a href="#">NP_001172085</a>                                                                                                                                                                                                                                                                                                                                |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MIM</b>                 | 604136                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | Q13007                                                                                                                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 1q32                                                                                                                                                                                                                                                                                                                                                            |
| <b>Pathway</b>             | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL23-mediated signaling events, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Senescence and Autophagy, organism-specific biosystem; |
| <b>Function</b>            | cytokine activity;                                                                                                                                                                                                                                                                                                                                              |

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