

## Recombinant Active Human IL32 Protein, His-tagged(C-ter)

**Cat. No.** IL32-190H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Active Human IL32 Protein with His tag (C-ter) was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a member of the cytokine family. The protein contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. Expression of this protein is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2. This protein induces the production of TNFalpha from macrophage cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008] |
| <b>Form</b>             | Powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Bio-activity</b>     | Determined by its ability to induce TNF alpha secretion in RAW264.7 cells. The ED50 for this effect is < 10 µg/mL.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MCFPKVLSDDMKKLKARMHQAIERFYDKMQNAESGRGQVMSSLAELEDDFKEGYL<br>ETVAAYYEEQHPELTPLLEKERDGLRCRGNRSPVPDVEDPATEEPGESFCDKSYGA<br>PRGDKEELTPQKCSEPQSSK                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|                       |                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 98% (by SDS-PAGE)                                                                                                                                                                                                                                         |
| <b>Applications</b>   | SDS-PAGE                                                                                                                                                                                                                                                    |
| <b>Notes</b>          | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                        |
| <b>Storage</b>        | Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. |
| <b>Storage Buffer</b> | PBS (pH 8.0)                                                                                                                                                                                                                                                |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.             |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL32 interleukin 32 [ Homo sapiens ]                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b> | IL32                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>        | IL32; interleukin 32; interleukin-32; natural killer cell transcript 4; NK4; TAIF; TAIFb; TAIFd; interleukin-32 eta; interleukin-32 small; interleukin-32 theta; natural killer cells protein 4; tumor necrosis factor alpha-inducing factor; TAIFa; TAIFc; IL-32beta; IL-32alpha; IL-32delta; IL-32gamma; |
| <b>Gene ID</b>         | 9235                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_001012631                                                                                                                                                                                                                                                                                               |

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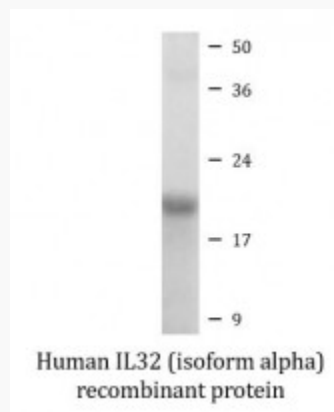
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**Protein Refseq** NP\_001012649

**MIM** 606001

**UniProt ID** P24001

**SDS-PAGE**



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