

Recombinant Human IL24 protein, His-tagged

Cat. No. IL24-589H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL24 (Q13007) aa. (Gly51~Leu206) fused with His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly51~Leu206
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.5kDa; Accurate Molecular Mass: 18kDa as determined by SDS-PAGE reducing conditions.
Purity	>92%

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Characteristic	Isoelectric point is 8.6.
Applications	Cell culture; Activity Assays; In vivo assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 0.05% sarcosyl and 5% trehalose.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	IL24 interleukin 24 [Homo sapiens (human)]
Official Symbol	IL24
Synonyms	IL24; interleukin 24; C49A; FISP; MDA7; MOB5; ST16; IL10B; interleukin-24; IL-4-induced secreted protein; melanocyte-associated Mda-7; melanoma differentiation-associated gene 7 protein; suppression of tumorigenicity 16 (melanoma differentiation)
Gene ID	11009
mRNA Refseq	NM_001185156.1

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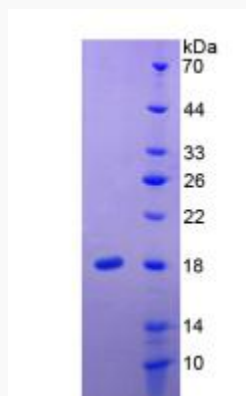
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Protein Refseq NP_001172085.1

UniProt ID Q13007

SDS-PAGE



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