

IL24 active protein

Recombinant Human IL24

CATALOG #
AAA214264

HOST
CHO Cells

PRODUCT SYNONYMS

IL24; Recombinant Human IL24; IL-24; Melanoma differentiation-associated gene 7 protein; MDA-7; Suppression of tumorigenicity 16 protein; MDA7; ST16; Recombinant Human Interleukin-24 (IL24); IL24 active protein

PRODUCT SPECIFICATIONS

Host	CHO Cells
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from 0.2 um filtered solution in PBS, pH 7.4 including 5% (w/v) trehalose.
Sequence Length	207
Bioactivity	Activity was determined by the ability to inhibit growth of human A549 cancer cells at concentrations ranging between 50-100 ng/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL24 active protein	IL-24 (melanoma differentiation-associated gene-7 [mda-7]), a member of the IL-10 cytokine family, possesses the properties of a classical cytokine as well as tumor suppressor effects. The exact role of IL-24 in the immune system has not been defined but studies have indicated a role for IL-24 in inflammatory conditions such as psoriasis. The tumor suppressor effects of IL-24 include inhibition of angiogenesis, sensitization to chemotherapy, and p38 mitogen-activated protein kinase (MAPK)-mediated apoptosis. Current knowledge on the regulation of IL-24 expression is sparse. The melanoma differentiation-associated gene-7 (mda-7) was discovered through subtraction hybridization of cDNA libraries prepared from melanoma cells. As mda-7 shares considerable structural and sequence homology with IL-10 cytokine family members it was recognized as a member of this family and renamed interleukin-24 (IL-24). IL-24 signals through a heterodimeric receptor complex consisting of the IL-20R-beta subunit together with either the IL-20R-alpha subunit or the IL-22R-alpha subunit. The IL-20R-alpha/IL-20R-beta complex is shared with IL-19 and IL-20 whereas the IL-22R-alpha/IL-20R-beta complex is shared with only IL-20. Binding of IL-24 as well as IL-19 and IL-20 to the receptor complexes results in signal transducer and activator of transcription 3 (STAT3)-activation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	297632401
NCBI GeneID	11009
NCBI Accession #	NP_001172085.1
NCBI GenBank Nucleotide #	NP_001172085.1
UniProt Accession #	Q13007

Molecular Weight	18.5 kDa
NCBI Official Full Name	interleukin-24 isoform 3
NCBI Official Synonym Full Names	interleukin 24
NCBI Official Symbol	IL24
NCBI Official Synonym Symbols	C49A; FISP; MDA7; MOB5; ST16; IL10B
NCBI Protein Information	interleukin-24
UniProt Protein Name	Interleukin-24
UniProt Gene Name	IL24
UniProt Synonym Gene Names	MDA7; ST16; IL-24; MDA-7
UniProt Entry Name	IL24_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cho-cells-active-protein/il24/214264>