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Datasheet for ABIN2468661 IL-24 Protein

Overview

Quantity:	0.005 mg
Target:	IL-24 (IL24)
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant

Product Details

Sequence:	QEFHFGPCQV KGVVPQKLWE AFWAVKDTMQ AQDNITSARL LQQEVLQNVS DAESCYLVHT LLEFYLKTVF KNYHNRTVEV RTLKSFSTLA NNFVLIVSQL QPSQENEMFS IRDSAHRFL LFRRAFKQLD VEAALTKALG EVDILLTWMQ KFYKLHHHHH H
Purity:	< 95 % by SDS-PAGE gel and HPLC analyses.

Target Details

Target:	IL-24 (IL24)
Alternative Name:	IL-24 (IL24 Products)
Background:	IL-24 is a secreted glycoprotein belonging to the IL-10 structural family of cytokines. It is produced by a variety of cell types, including B cells, CD4+ cells, NK cells, lymph node DCs, monocytes, and melanoma cells. IL-24 can signal through the IL20R1/IL20R2 and IL22R1/IL20R2 receptors to initiate a signaling cascade which includes the induction of JAK1/STAT3 phosphorylation. IL-24 is, functionally, a pleiotropic protein but is generally characterized as an anti-cancer cytokine that can selectively inhibit growth of a wide variety of human cancer cells through activities that include the induction of differentiation and

Target Details

apoptosis, and the suppression of angiogenesis and cell proliferation. Recombinant human IL-24 is an 18.9 kDa glycoprotein, containing 161 amino acid residues, including a C-terminal His-tag.

Gene ID: 11009

NCBI Accession: [NP_001172085](#)

OMIM: 297632401

UniProt: [Q13007](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Endopeptidase Activity](#), [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling Advice: As with any protein, exposing IL-24 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Storage: -20 °C

Storage Comment: The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted IL-24 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.

Expiry Date: 24 months