IL-24 Human Chinese Hamster Ovary Cells (CHO)

Product Data Sheet

Type: Recombinant
Source: Chinese Hamster Ovary Cells (CHO)
Species: Human
Other names: MDA-7 (Melanoma differentiation-association gene 7 protein)

Cat. No.:	
RBG10024005	(5 µg)
RBG10024020	(20 µg)
RBG10024100	(100 µg)

Description

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

Research topic

Apoptosis, Cardiovascular disease, Coronary artery disease, Oncology

Amino Acid Sequence

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QEFHFGPCQV KGVVPQKLWE AFWAVKDTMQ AQDNITSARL LQQEVLQNVS DAESCYLVHT LLEFYLKTVF KNYHNRTVEV
RTLKSFSTLA NNFVLIVSQL QPSQENEMFS IRDSAHRRFL LFRRAFKQLD VEAALTKALG EVDILLTWMQ KFYKLHHHHH H
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Source

Chinese Hamster Ovary Cells (CHO)

Purity

95%

Biological Activity

Data not available.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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