



Recombinant Human IL-24

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

| | |
|------------------|----------------------------|
| Cat.-no.: | 100-104S |
| Size: | 5 µg |
| Lot. No.: | According to product label |

Sequence

```
QEFHFGPCQV KGVVPQKLWE AFWAVKDTMQ AQDNITSARL
LQQEVLQNVS DAESCYLVHT LLEFYLKTVE KNYHNRTVEV
RTLKSFSTLA NNFVLIQSOL QPSQENEMFS IRDSAHRFL
LFERRAFKQLD VEAALTRKALG EVDILLTWMQ KFYKLHHHHH H
```

Database References

| | |
|------------------------|-------------|
| Protein RefSeq: | NP_006841.1 |
| Uniprot ID: | Q13007 |
| mRNA RefSeq: | NM_006850.3 |

Scientific Background

| | |
|------------------------|---|
| Gene-ID (NCBI): | 11009 |
| Synonyms: | interleukin 24; C49A; FISP; MDA7; MOB5; ST16; IL10B |

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, containing 161 amino acid residues, including a C-terminal His-tag.

Product Specifications

| | |
|------------------------|------------------------------------|
| Expressed in | CHO cells |
| Purity | > 95% by SDS-PAGE & HPLC analyses |
| Tag | His-tag |
| Endotoxin level | < 0.1 ng /µg of protein (<1EU/µg). |
| Formulation | lyophilized |
| Length (aa): | 161 |
| MW: | 18.9 kDa |

Biological Activity: Testing in progress.



AVOID REPEATED FREEZE AND THAW CYCLES!