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# 32-6477: IL34 Human, Sf9

**Alternative Name :** Interleukin-34, IL-34, IL34, C16orf77, Chromosome 16 Open Reading Frame.

## Description

Source: Sf9, Insect cells.
Sterile Filtered colorless solution.
Interleukin 34 (IL34) is a cytokine that promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor and is a part of a group of cytokines called interleukins. IL34 increases growth or survival of immune cells known as monocytes. IL34 protein obtains its activity by binding the Colony stimulating factor 1 receptor. Interleukin 34 has also a potential part in viral infection, the adaptive immune response and bone marrow cell proliferation. Furthermore, IL34 plays an important role in innate immunity and in inflammatory processes.
IL34 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 231 amino acids (21-242a.a.) and having a molecular mass of 26.3kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).IL34 is expressed with an 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

## Product Info

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|---|---|
| **Amount :** | 1 µg / 5 µg |
| **Purification :** | Greater than 90% as determined by SDS-PAGE. |
| **Content :** | IL34 protein solution (0.25mg/ml) contains 20mM Tris-Hcl buffer (pH8.5) 1mM DTT, 0.15M NaCl, 01mM PMSF, 1mM EDTA and 30% glycerol. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | ADPNEPLEMW PLTQNEECTV TGFLRDKLQY RSRLQYMKHY FPINYKISVP YEGVFRIANV TRLQRAQVSE RELRYLWVLV SLSATESVQD VLLEGHPSWK YLQEVQTLLL NVQQGLTDVE VSPKVESVLS LLNAPGPNLK LVRPKALLDN CFRVMELLYC SCCKQSSVLN WQDCEVPSPQ SCSPEPSLQY AATQLYPPPP WSPSSPPHST GSVRPVRAQG EGLLPHHHHH H. |

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