


Human IL-26 Protein, His tag (Animal-Free)

Cat #: PRP1910

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

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| | Product Name: Human IL-26 Protein, His tag (Animal-Free) | | |
| REF | Catalog Number: PRP1910 | LOT | Lot Number: Refer to product label |
| | Purity: > 98 % as determined by SDS-PAGE | | |
|  | Storage: Store at -20°C | | Preparation method: E.coli |
| | Shipping: The product is shipped at ambient temperature. | | |

Background: IL-26 was originally cloned from T cells transformed by Herpes Zoster Virus (HZV) and named AK155. It is a member of class II cytokine IL-10 family, and sends out a signal through a heterodimeric receptor complex consisting of two type I transmembrane receptor subunits. The human IL-26 gene has been located on chromosome 12q15. It encodes a polypeptide of 171 amino acids and a signal peptide of 21 amino acids. In addition to HZV-transformed T cells, IL-26 is also expressed in other virus-transformed T cell lines, fresh peripheral monocytes, activated NK cells and T cells. The mouse homologue of human IL-26 has not been identified. IL-26 binds to the heterodimer complex with high affinity, which consists of ligand-binding IL-20R α and non-ligand-binding IL-10R β . Activation of receptor complex leads to rapid phosphorylation of STAT1 and STAT3.

Sequence: Amino acid sequence derived from Human IL-26 (Lys22-Gln171) (Q9NPH9) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-26 Protein consists of 150 amino acids and predicts a molecular mass of 17.7 kDa.

Biological Activity: Measured by its ability to induce IL-10 secretion in COLO205 cells. The ED₅₀ for this effect is <150 ng/mL.

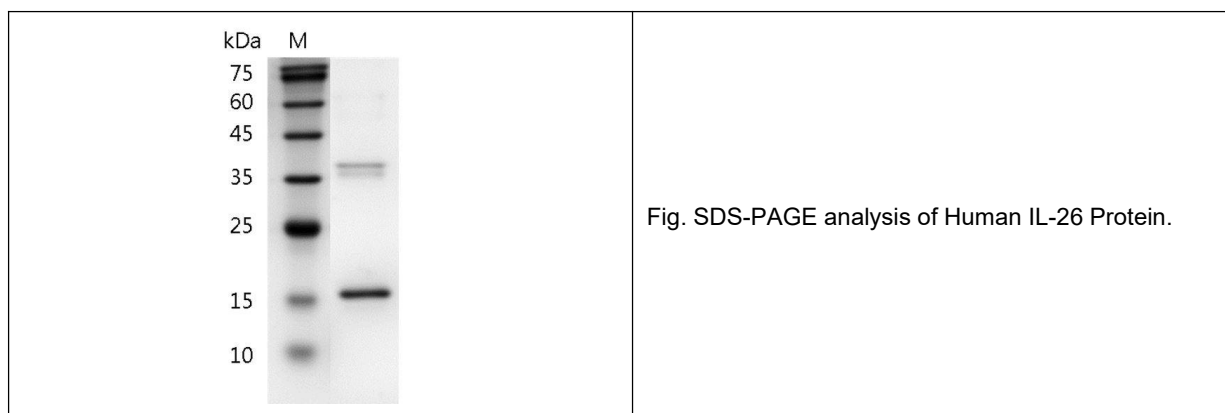
Endotoxin: <0.1 EU per µg of the protein by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 8.0.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a

carrier protein (5% HSA , 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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