


Human IL-19 Protein, His tag (Animal-Free)

Cat #: PRP1932

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

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| | Product Name: Human IL-19 Protein, His tag (Animal-Free) | | |
| REF | Catalog Number: PRP1932 | 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: Interleukin 19 (IL-19) is a type of anti-inflammatory cytokine. It promotes the Th2 T-cell response which supports an anti-inflammatory lymphocyte phenotype, dampens the Th1 T-cell response and IFN γ secretion, increases IL-10 expression in peripheral blood mononuclear cells, and inhibits the production of IgG from B cells.

Sequence: Amino acid sequence derived from Human IL-19 (Leu63-ALa215) (Q9UHD0) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-19 consists of 153 amino acids and predicts a molecular mass of 18.69 kDa.

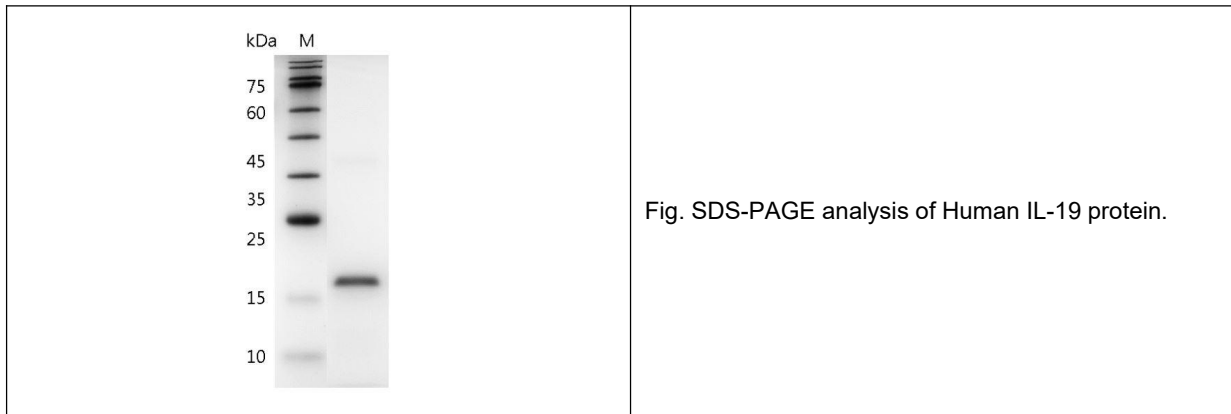
Biological Activity: Measured by its ability to induce proliferation in BaF3 cells transfected with human IL-20 R alpha and human IL-20 R beta. The ED₅₀ for this effect is <1.2 ng/mL.

Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

Formulation: Lyophilized from 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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