Recombinant Mouse IL-24 protein(His Tag)

Catalog Number: PKSM041470

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

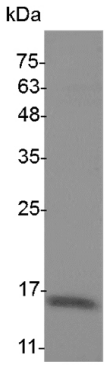
Description

Species	Mouse
Source	E.coli-derived Mouse IL-24 protein Gln 27-Leu 181, with an C-terminal His
Calculated MW	18.9 kDa
Observed MW	17 kDa
Accession	NP_444325.3
Bio-activity	Measure by its ability to induce proliferation in BaF3 cells transfected with human IL-20 R alpha and human IL-20 R beta. The ED_{50} for this effect is <0.3 ng/mL.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Multifunctional cytokine mainly produced by T-cells that plays a regulatory role in immune response, tissue homeostasis, host defense, and oncogenesis. Possesses antiviral functions and induces the type I intereferon response during influenza infection. Signals through two receptor complexes IL20RA/IL20RB or IL20RB/IL22RA1. In turn, stimulates the JAK1-STAT3 and MAPK pathways and promotes the secretion of pro-inflammatory mediators including IL8 and MMP1. Intracellularly, maintains endoplasmic reticulum homeostasis by restricting the eIF2alpha-CHOP pathway-mediated stress signal. In addition, acts as a quality control mechanism for the ubiquitin proteasome system by alerting the cell to proteasome dysfunction through activation of PKR/EIF2AK2.

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