Recombinant Mouse IL-24 protein(His Tag)

Catalog Number: PKSM041470



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

Description

Synonyms MCGF (Mast Cell Growth Factor); Multi-CSF; HCGF; P-cell stimulation

factor;Interleukin-3b

SpeciesMouseExpression HostE.coli

SequenceGln 27-Leu 181AccessionNP_4444325.3Calculated Molecular Weight18.9 kDaObserved molecular weight17 kDaTagC-His

Bioactivity Measure 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 < 0.3 ng/mL.

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 0.1 EU per μ g 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.

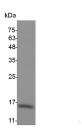
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

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

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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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