

Recombinant Human CXCL9 protein(His Tag)

Catalog No. PKSH034195

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

Description

Synonyms	Monokine Induced by Interferon- γ ;MIG
Species	Human
Expression Host	E.coli
Sequence	Thr 23-Thr 125
Accession	Q07325
Calculated Molecular Weight	12.5 kDa
Observed molecular weight	18 kDa
Tag	N-His
Bioactivity	Measure by its ability to chemoattract BaF3 cells transfected with mouse CXCR3. The ED ₅₀ for this effect is < 0.5 μ g/mL.

Properties

Purity	> 98 % 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.

Background

Chemokine (C-X-C Motif) Ligand 9 (CXCL9) belongs to the intercrine alpha (chemokine CXC) family. It is secreted by interferon stimulated monocytes, macrophages and endothelial cells, which elicits chemotactic functions by interacting with the chemokine receptor CXCR3. CXCL9 acts as a Th1 (type 1 helper T) cell chemoattractant and plays a role in the growth, activation and movement of cells associated with immune and inflammatory responses, and in tumour growth inhibition. It is closely related to two other CXC chemokines called CXCL10 and CXCL11, whose genes are located near the gene for CXCL9 on human chromosome 4.

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