Active Recombinant Human CXCL9 Protein (Thr21-Thr125), N-His tagged, Animal-free, Carrier-free

Cat. No. CXCL9-219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCL9 Protein (Thr21-Thr125) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Thr21-Thr125
Description	C-X-C motif chemokine 9 (CXCL9) also named monokine induced by gamma interferon (MIG), which is a chemokine of the intercrine alpha family. CXCL9 is a 11.4kDa protein containing 103 amino acid residues. CXCL9 controls the immune cells by binding the CXCR3 which is including the cell migration and activation. During inflammation, CXCL9 is a chemotaxis for lymphocyte and macrophages. CXCL9 is participated in the process of tumor proliferation and metastasis.
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract BaF3 cells transfected with mouse CXCR3. The ED50 for this effect is < 0.5 μg/mL.
Molecular Mass	The protein has a calculated MW of 12.53 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

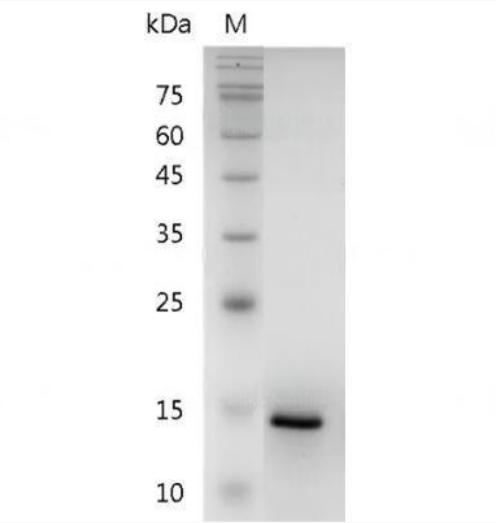
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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	CXCL9 chemokine (C-X-C motif) ligand 9 [Homo sapiens (human)]
Official Symbol	CXCL9
Synonyms	CXCL9; chemokine (C-X-C motif) ligand 9; CMK, MIG, monokine induced by gamma interferon; C-X-C motif chemokine 9; crg 10; Humig; SCYB9; small-inducible cytokine B9; gamma-interferon-induced monokine; monokine induced by gamma interferon; monokine induced by interferon-gamma; CMK; MIG; crg-10;
Gene ID	4283

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mRNA Refseq	NM_002416
Protein Refseq	NP_002407
MIM	601704
UniProt ID	Q07325
SDS-PAGE analysis of recombinant human CXCL9.	

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