

Active Recombinant Full Length Human CXCL9 Protein

Cat. No. CXCL9-33HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CXCL9 Protein (Thr23-Thr125) was expressed in Human embryonic kidney cell.
Species	Human
Source	HEK293
ProteinLength	23-125 aa
Description	This antimicrobial gene is part of a chemokine superfamily that encodes secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded is thought to be involved in T cell trafficking. The encoded protein binds to C-X-C motif chemokine 3 and is a chemoattractant for lymphocytes but not for neutrophils.
Form	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Bio-activity	Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with mouse CXCR3. The ED50 for this effect is 0.020-0.300 µg/mL.
Molecular Mass	12 kDa
Endotoxin	< 0.10 EU/µg of the protein by the LAL method.
Purity	> 95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	Coomassie® Blue Staining.
Storage	Upon receipt, store it immediately at the temperature recommended below. Stability & Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 100 µg/mL in PBS.
N-terminal Sequence Analysis	Thr23
Reference	1. Loetscher, M. et al. (1996) J. Exp. Med. 184:963. 2. Liao, F. et al. (1995) J. Exp. Med. 182:1301. 3. Vanguri, P. (1995) J. Neuroimmunol. 56:35.

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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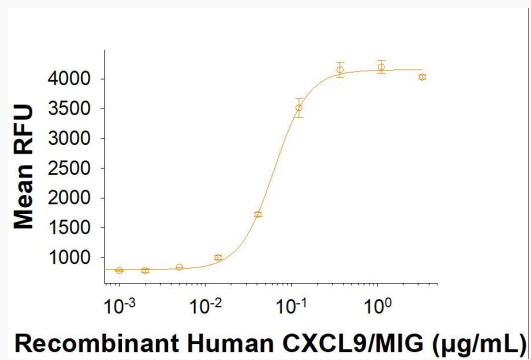
mRNA Refseq [NM_002416](#)

Protein Refseq [NP_002407](#)

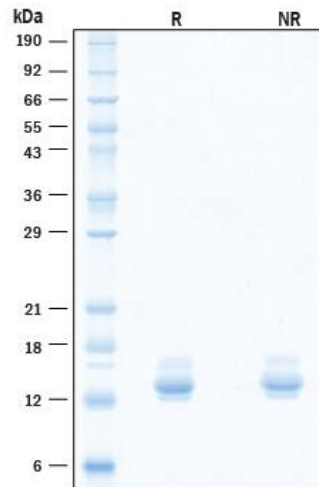
MIM [601704](#)

UniProt ID [Q07325](#)

Bioactivity



SDS-PAGE and WB



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