



# Recombinant Human C-X-C chemokine receptor type 3 (CXCR3)

<b>Product Code</b>	CSB-CF006253HU
<b>Relevance</b>	Isoform 1: Receptor for the C-X-C chemokine CXCL9, CXCL10 and CXCL11 and mediates the proliferation, survival and angiogenic activity of human mesangial cells (HMC) through a heterotrimeric G-protein signaling pathway. Binds to CCL21. Probably promotes cell chemotaxis response. Isoform 2: Receptor for the C-X-C chemokine CXCL4 and also mediates the inhibitory activities of CXCL9, CXCL10 and CXCL11 on the proliferation, survival and angiogenic activity of human microvascular endothelial cells (HMVEC) through a cAMP-mediated signaling pathway. Does not promote cell chemotaxis respons. Interaction with CXCL4 or CXCL10 leads to activation of the p38MAPK pathway and contributes to inhibition of angiogenesis. Overexpression in renal cancer cells down-regulates expression of the anti-apoptotic protein HMOX1 and promotes apoptosis. Isoform 3: Mediates the activity of CXCL11.
<b>Abbreviation</b>	Recombinant Human CXCR3 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P49682
<b>Storage Buffer</b>	Lyophilized from Tris/PBS-based buffer, 6% Trehalose
<b>Product Type</b>	Transmembrane Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MVLEVSDHQVLNDAEVAALLENFSSSYDYGENESDSCCTSPPCPQDFSLNFD RAFLPALYSLLFLLGLLGNGAVAAVLLSRRTALSSDTFLLHLAVADTLLVLTPL WAVDAAVQWVFGSGLCKVAGALFNINFYAGALLACISFDRLNIVHATQLYR RGPPARVTLTCLAVWGLCLLFALPDFIFLSAHHDERLNATHCQYNFPQVGRTA LRVLQLVAGFLLPLLVMAYCYAHILAVLLVSRGQRRLRAMRLVVVVVVAFALC WTPYHLVVLVDILMDLGALARNCGRESRVDVAKSVTSGLYMHCCLNPLLYAF VGVKFRERMWMLLLRLGCPNQRGLQRQPSSSRDSSWSETSEASYSGL
<b>Research Area</b>	Immunology
<b>Source</b>	in vitro E.coli expression system
<b>Target Names</b>	CXCR3
<b>Protein Names</b>	CKR-L2G protein-coupled receptor 9Interferon-inducible protein 10 receptor
<b>Expression Region</b>	1-368aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

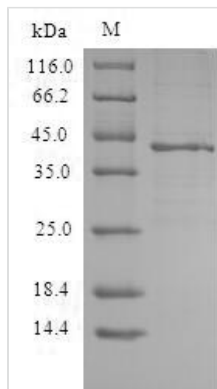


**Tag Info** N-terminal 6xHis-tagged

**Mol. Weight** 44.7kDa

**Protein Length** Full Length

### Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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