PRODUCT INFORMATION

Target	CXCL12
Synonyms	IRH;PBSF;SCYB12;SDF1;TLSF
Description	Recombinant Human CXCL12 with N-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P48061
Expression Host	HEK293
Tag	N-Human Fc Tag
Molecular Characterization	hFc(Glu99-Ala330) CXCL12(Lys22-Met93)
Molecular Weight	The protein has a predicted molecular mass of 34.7 kDa after removal of the signal peptide.The apparent molecular mass of hFc-CXCL12 is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This antimicrobial gene encodes a stromal cell-derived alpha chemokine member of the intercrine family. The encoded protein functions as the ligand for the G-protein coupled receptor, chemokine (C-X-C motif) receptor 4, and plays a role in many diverse cellular functions, including embryogenesis, immune surveillance, inflammation response, tissue homeostasis, and tumor growth and metastasis. Mutations in this gene are associated with resistance to human immunodeficiency virus type 1 infections. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]
Usage	Research use only
Conjugate	Unconjugated

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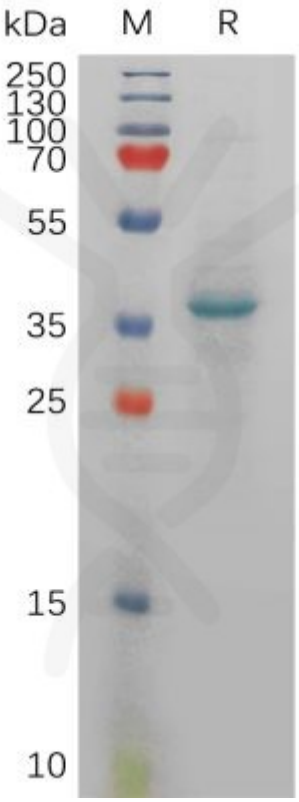


Figure 1. Human CXCL12 Protein, hFc Tag on SDS-PAGE under reducing condition.

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