
Product Data Sheet

Product Name: CXCL16 Human
 Cat. No.: GP21080
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Chemokine (C-X-C Motif) Ligand 16; Scavenger Receptor For Phosphatidylserine And Oxidized Low Density Lipoprotein; Transmembrane Chemokine CXCL16; Small-Inducible Cytokine B16; CXC Chemokine Ligand 16; SR-PSOX; SRPSOX; C-X-C Motif Chemokine 16; CXCLG16; SCYB16; CXCL16.		
Amino Acid Sequence	NEGSVTGSCY CGKRISDSDP PSVQFMNRLR KHLRAYHRCL YYTRFQLLSW SVCGGNKDPW VQELMSCLDL KECGHAYSGI VAHQKLLP.		
Solubility	It is recommended to reconstitute the lyophilized CXCL16 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	CXCL16 protein was lyophilized from a 0.2µm filtered solution in PBS.		

Introduction

CXC chemokine ligand 16 (CXCL16) is a type I membrane protein, which contains a non-ELR motif-containing CXC chemokine domain in its extracellular region. Human and Mouse CXCL16 share a 70% a.a. sequence similarity within their chemokine domains and 49% overall a.a. sequence identity. Functional CXCL16 can be dropped from the cell surface as an approximately 35kDa soluble protein. CXCR6 is the functional receptor for CXCL16. CXCL16 functions as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), proposing that CXCL16 may be involved in pathophysiology such as atherogenesis. In addition, CXCL16 induces a strong chemotactic response and calcium mobilization. CXCL16 binds to CXCR6/Bonzo.

Biological Activity

The ED₅₀, as measured by its ability to chemoattract mouse CXCR6-transfected mouse

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

BaF3 cells, is less than 12ng/ml.

Stability

Lyophilized CXCL16 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution CXCL16 should be stored at 4°C between 2-7 days and for future use below -18°C . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

CXCL16 Human Recombinant (30-118 a.a.) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 89 amino acids and having a molecular mass of 10kDa. The CXCL16 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA