Recombinant Human CXCL16

Cat No:HR2R1312

For research use only

Overview

Quantity	25 ?g
Gene Symbol	CXCL16
Gene ID	58191
Accession	Q9H2A7
Alternative Name	Scavenger receptor for phosphatidylserine and oxidized low density lipoprotein, Small-inducible cytokine B16, transmembrane chemokine CXCL16
Species	Human
Source	E. coli
Description	Chemokine (CXC motif) ligand 16, is a small cytokine belonging to the CXC chemokine family and signals through the CXCR6 receptor. CXCL16 is composed of its typical CXC chemokine domain, a mucin-like stalk, a transmembrane domain, and a cytoplasmic tail which allow CXCL16 to act as a cell surface bound molecule as well as a soluble chemokine. Human CXCL16 shares 70% amino acid sequence similarity with the mouse and CXCL16 expression is induced by IFN-? and TNF-?. CXCL16 is produced by dendritic cells in lymphoid organs, and by red pulp spleen cells. The expression of CXCL16 may attract lymphocytes during inflammation and assist some immune responses.
Functions	The ED50 is 2.5-12 ng/mL as determined by its ability to chemoattract activated lymphocytes (at a concentration of 100.0 ng/mL)
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS
Solubility	Reconstitute in sterile PBS at 25?g/mL (containing at least 0.1% human or bovine serum albumin)
Appearance	Lyophilized Powder
Molecular Weight	10.4
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.