Recombinant Human CXCL14 Protein

Catalog Number: PKSH032298

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description		
Species	Human	
Source	E.coli-derived Human CXCL14 protein Ser35-Glu111	
Calculated MW	9.4 kDa	
Observed MW	15 kDa	
Accession	O95715	
Bio-activity	Not validated for activity	
Properties		
Purity	> 95 % as determined by reducing SDS-PAGE.	
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.	
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of	
	reconstituted samples are stable at $< -20^{\circ}$ C for 3 months.	
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.	
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 1M NaCl, pH 8.5.	
	Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants	
	before lyophilization.	
	Please refer to the specific buffer information in the printed manual.	
Reconstitution	Please refer to the printed manual for detailed information.	

Data

kDa 120 90	MK	R
00		1
40	Section 2	
30	-	
20	-	
14	-	

> 95 % as determined by reducing SDS-PAGE.

Background

Human Chemokine (C-X-C Motif) Ligand 14 (CXCL14) is constitutively expressed in certain normal tissues but is reduced or absent from many established tumor cell lines and human cancers. CXCL14 is known to be a chemoattractant for monocyte and dendritic cells. CXCL14 inhibits angiogenesis and exhibits antimicrobial activities. Mature human and mouse CXCL14 differ by only 2 amino acid residues.