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Product datasheet for PH302707

CXCL5 (NM_002994) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CXCL5 MS Standard C13 and N15-labeled recombinant protein (NP_002985)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202707
Predicted MW:	12 kDa
Protein Sequence:	>RC202707 protein sequence Red=Cloning site Green=Tags(s) MSLLSSRAARVPGPSSSLCALLVLLLLLTQPGPIASAGPAAAVLRELRCVCLQTTQGVHPKMISNLQVFA IGPQCSKVEVVASLKNGKEICLDPEAPFLKKVIQKILDGGNKEN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002985
RefSeq Size:	2505
RefSeq ORF:	342
Synonyms:	ENA-78; SCYB5
Locus ID:	6374
UniProt ID:	P42830, Q6I9S7
Cytogenetics:	4q13.3

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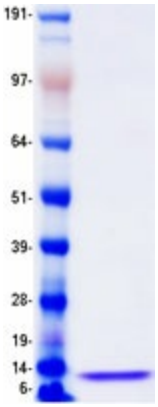
Summary: This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils, to promote angiogenesis and to remodel connective tissues. This protein is thought to play a role in cancer cell proliferation, migration, and invasion. [provided by RefSeq, May 2013]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Product images:



Coomassie blue staining of purified CXCL5 protein (Cat# [TP302707]). The protein was produced from HEK293T cells transfected with CXCL5 cDNA clone (Cat# [RC202707]) using MegaTran 2.0 (Cat# [TT210002]).