

Product datasheet for PH311322

PF4 (NM_002619) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PF4 MS Standard C13 and N15-labeled recombinant protein (NP_002610)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211322
Predicted MW:	10.8 kDa
Protein Sequence:	>RC211322 protein sequence Red=Cloning site Green=Tags(s) MSSAAGFCASRPGLLFLGLLLLPLVVAFASAEAEEDGDLQCLCVKTTSQVRPRHITSLEVIKAGPHCPTA QLIATLKNGRKICLDLQAPLYKKIICKLLES 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_002610
RefSeq Size:	878
RefSeq ORF:	303
Synonyms:	CXCL4; PF-4; SCYB4
Locus ID:	5196
UniProt ID:	P02776
Cytogenetics:	4q13.3



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Summary:

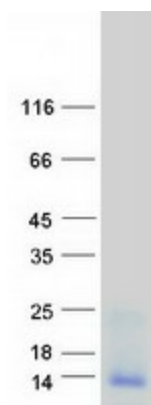
This gene encodes a member of the CXC chemokine family. This chemokine is released from the alpha granules of activated platelets in the form of a homotetramer which has high affinity for heparin and is involved in platelet aggregation. This protein is chemotactic for numerous other cell type and also functions as an inhibitor of hematopoiesis, angiogenesis and T-cell function. The protein also exhibits antimicrobial activity against Plasmodium falciparum. [provided by RefSeq, Oct 2014]

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:

Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Product images:

Coomassie blue staining of purified PF4 protein (Cat# [TP311322]). The protein was produced from HEK293T cells transfected with PF4 cDNA clone (Cat# [RC211322]) using MegaTran 2.0 (Cat# [TT210002]).