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Datasheet for ABIN7455646 CXCL7 Protein (His tag)

Overview

Quantity:	50 µg
Target:	CXCL7 (PPBP)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CXCL7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human C-X-C Motif Chemokine 7 is produced by our Mammalian expression system and the target gene encoding Ser35-Asp128 is expressed with a 6His tag at the C-terminus.
Characteristics:	Extracellular Domain Protein
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	CXCL7 (PPBP)
Alternative Name:	CXCL7 (PPBP Products)
Background:	Platelet Basic Protein, PBP, C-X-C Motif Chemokine 7, Leukocyte-Derived Growth Factor, LDGF, Macrophage-Derived Growth Factor, MDGFSmall-Inducible Cytokine B7, PPBP, CTAP3, CXCL7, SCYB7, TGB1, THBGB1 Human Chemokine (C-X-C motif) Ligand 7 (CXCL7), also known as neutrophil activating peptide 2 (NAP-2), is a member of the CXC chemokines containing an ELR

Target Details

domain (Glu-Leu-Arg tripeptide motif). Similar to other ELR domain containing CXC chemokines, such as IL-8 and the GRO proteins, CXCL7 binds CXCR2, chemoattracts and activates neutrophils. CXCL7, Connective Tissue Activating Protein III (CTAPIII) and β thromboglobulin (β TG), are proteolytically processed carboxylterminal fragments of platelet basic protein (PBP) which is found in the alphagranules of human platelets. Although CTAPIII, β TG, and PBP represent amino-terminal extended variants of NAP2 and possess the same CXC chemokine domains, these proteins do not exhibit CXCL7/NAP2 activity. CXCL7 induces cell migration through the G-protein-linked receptor CXCR-2.

Molecular Weight: 11.3 KDa

UniProt: [P02775](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: a 0.2 μ m filtered solution of 20 mM HAc-Nac, 150 mM NaCl, pH 4.0.

Storage: -20 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months