

Datasheet for ABIN7318360 **CXCL7 Protein**



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Overview

Quantity:	100 µg
Target:	CXCL7 (PPBP)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human CXCL7/NAP-2 Protein
Sequence:	Ala59-Asp128
Characteristics:	Recombinant Human C-X-C Motif Chemokine 7 is produced by our E.coli expression system and the target gene encoding Ala59-Asp128 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CXCL7 (PPBP)
Alternative Name:	CXCL7/NAP-2 (PPBP Products)
Background:	Background: 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 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.

Target Details

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.

Synonym: 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

Molecular Weight: 7.6 kDa

UniProt: [P02775](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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°C for 3 months.