

Active Recombinant Human PPBP Protein (Ala59-Asp128), N-His tagged, Animal-free, Carrier-free

Cat. No. PPBP-251H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPBP Protein (Ala59-Asp128) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ala59-Asp128
Description	C-X-C motif chemokine 7 (CXCL7) also named Pro-Platelet basic protein (PPBP), which is a chemokine of the intercrine alpha family. CXCL7 is a 7.7 kDa protein containing 70 amino acid residues. CXCL7 is expressed by the platelets, which are activated. During vascular injury, CXCL7 controls the glucose metabolism, mitogenesis and neutrophil recruitment by the interaction with CXCR2.
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED50 for this effect is < 0.5 ng/mL.
Molecular Mass	The protein has a calculated MW of 8.43 kDa. The protein migrates as 11 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	PPBP pro-platelet basic protein (chemokine (C-X-C motif) ligand 7) [Homo sapiens (human)]
Official Symbol	PPBP
Synonyms	PPBP; pro-platelet basic protein (chemokine (C-X-C motif) ligand 7); THBGB1; platelet basic protein; b TG1; Beta TG; beta thromboglobulin; connective tissue activating peptide III; CTAP3; CTAPIII; CXCL7; LA PF4; LDGF; MDGF; NAP 2; NAP 2 L1; neutrophil activating peptide 2; PBP; SCYB7; TGB; TGB1; thrombocidin 1; thrombocidin 2; beta-thromboglobulin; CXC chemokine ligand 7; C-X-C motif chemokine 7; thromboglobulin, beta-1; small inducible cytokine B7; small-inducible cytokine B7; leukocyte-derived growth factor; low-affinity platelet factor IV; neutrophil-

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activating peptide 2; neutrophil-activating peptide-2; macrophage-derived growth factor; connective tissue-activating peptide III; small inducible cytokine subfamily B, member 7; TC1; TC2; B-TG1; NAP-2; THBGB; LA-PF4; SCAR10; Beta-TG; CTAP-III;

Gene ID 5473

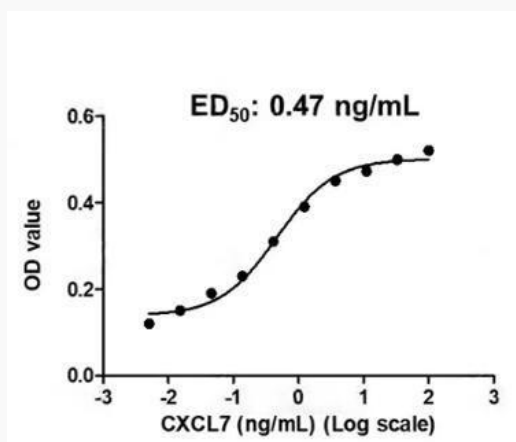
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Protein Refseq NP_002695

MIM 121010

UniProt ID P02775

Activity



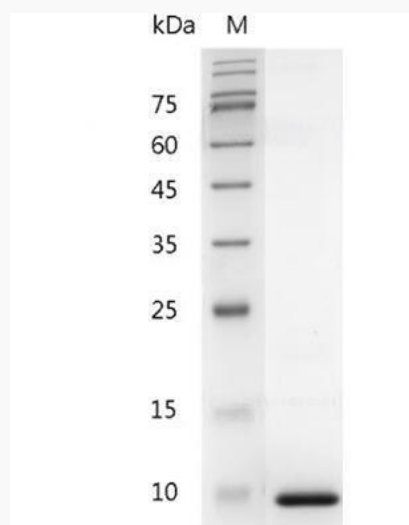
Human CXCL7, His Tag, E. coli (LDG159PHE) chemoattracted BaF3 cells transfected with human CXCR2, with the ED50 at 0.47 ng/mL.

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**SDS-PAGE analysis
of recombinant
human CXCL7.**



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