

For Research Use Only

Recombinant Human CXCL7/PBP protein (rFc Tag)

Catalog Number: Eg3690



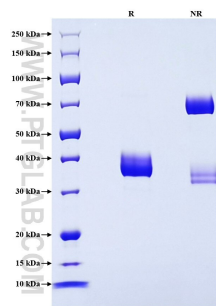
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/μg protein, LAL method</p> <p>Source: HEK293-derived Human CXCL7 protein Ala59-Asp128 (Accession# P02775) with a rabbit IgG Fc tag at the N-terminus.</p> <p>GeneID: 5473</p> <p>Accession: P02775</p> <p>Predicted Molecular Mass: 34.8 kDa</p> <p>SDS-PAGE: 35-42 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Platelet basic protein (PBP), also named as NAP2, CXCL7, or β-Thromboglobulin, derived from its precursor pro-PBP (PPBP), is a platelet-derived growth factor that belongs to the CXC chemokine family, functioning as a potent chemoattractant and activator of neutrophils through binding to its receptor CXCR2. By post-translational cleavage, this small protein of 14 kD gives rise to connective tissue-activating peptide-III (CTAP-III), neutrophil-activating peptide-2 (NAP-2), β-thromboglobulin (β-TG), and two variants of thrombocidin (TC-1 and TC-2). High PPBP expression was significantly correlated with poor differentiation, lymph node metastasis, vascular invasion and advanced clinical stage.</p>		
References	<ol style="list-style-type: none">1. El-Gedaily A, et al. (2004). J Leukoc Biol. Mar;75(3):495-503.2. Kruidenier L, et al. (2006). Gastroenterology. Jan;130(1):127-36.3. Guo Q, et al. (2017). Oncol Rep. Feb;37(2):1114-1122.		
Synonyms	NAP-2, PPBP, PPBP/NAP2, Beta-thromboglobulin, CXC motif chemokine 7		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human CXCL7 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.