

Datasheet for ABIN1047528

CXCL7 Protein (AA 59-125, partial) (GST tag)



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1 Image

1 Publication

Overview

Quantity:	100 µg
Target:	CXCL7 (PPBP)
Protein Characteristics:	AA 59-125, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CXCL7 protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	AELRCMCIKT TSGIHPKNIQ SLEVIGKGTH CNQVEVIATL KDGRKICLDP DAPRIKKIVQ KKLAGE
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	CXCL7 (PPBP)
Alternative Name:	Platelet basic protein (PPBP Products)
Background:	LA-PF4 stimulates DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by human synovial cells.

Target Details

NAP-2 is a ligand for CXCR1 and CXCR2, and NAP-2, NAP-2(73), NAP-2(74), NAP-2(1-66), and most potent NAP-2(1-63) are chemoattractants and activators for neutrophils. TC-1 and TC-2 are antibacterial proteins, in vitro released from activated platelet alpha-granules. CTAP-III(1-81) is more potent than CTAP-III desensitize chemokine-induced neutrophil activation.

Molecular Weight: 34.7 kD

UniProt: [P02775](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

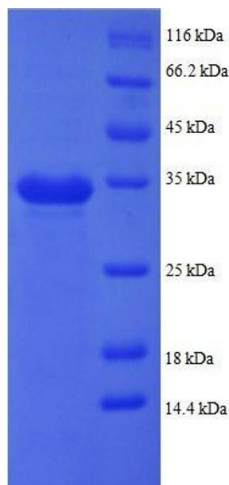
Storage Comment: Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

Product cited in: Ota, Suzuki, Nishikawa, Otsuki, Sugiyama, Irie, Wakamatsu, Hayashi, Sato, Nagai, Kimura, Makita, Sekine, Obayashi, Nishi, Shibahara, Tanaka, Ishii, Yamamoto, Saito, Kawai, Isono,

Nakamura, Nagahari et al.: "Complete sequencing and characterization of 21,243 full-length human cDNAs. ..." in: **Nature genetics**, Vol. 36, Issue 1, pp. 40-5, (2003) ([PubMed](#)).

Bell, Fong, Stempien, Wormsted, Caput, Ku, Urdea, Rall, Sanchez-Pescador: "Human epidermal growth factor precursor: cDNA sequence, expression in vitro and gene organization." in: **Nucleic acids research**, Vol. 14, Issue 21, pp. 8427-46, (1987) ([PubMed](#)).



SDS-PAGE

Image 1. Pro-Platelet Basic Protein (Chemokine (C-X-C Motif) Ligand 7) (PPBP) (AA 59-125), (partial) protein (GST tag)