Datasheet for ABIN1474046

PTPN1 Protein (AA 1-432) (His tag)

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Overview

Quantity:	1 mg
Target:	PTPN1
Protein Characteristics:	AA 1-432
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPN1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MEMEKEFEQI DKAGNWAAIY QDIRHEASDF PCRIAKLPKN KNRNRYRDVS PFDHSRIKLH QEDNDYINAS LIKMEEAQRS YILTQGPLPN TCGHFWEMVW EQKSRGVVML NRIMEKGSLK CAQYWPQKEE KEMVFDDTNL KLTLISEDVK SYYTVRQLEL ENLATQEARE ILHFHYTTWP DFGVPESPAS FLNFLFKVRE SGSLSPEHGP IVVHCSAGIG RSGTFCLADT CLLLMDKRKD PSSVDIKKVL LEMRRFRMGL IQTADQLRFS YLAVIEGAKF IMGDSSVQDQ WKELSHEDLE PPPEHVPPPP RPPKRTLEPH NGKCKELFSN HQWVSEESCE DEDILAREES RAPSIAVHSM SSMSQDTEVR KRMVGGGLQS AQASVPTEEE LSPTEEEQKA HRPVHWKPFL VNVCMATALA TGAYLCYRVC FH
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	PTPN1
Alternative Name:	Tyrosine-protein phosphatase non-receptor type 1 (Ptpn1) (PTPN1 Products)
Background:	Recommended name: Tyrosine-protein phosphatase non-receptor type 1. EC= 3.1.3.48. Alternative name(s): Protein-tyrosine phosphatase 1B. Short name= PTP-1B
UniProt:	P20417
Pathways:	TLR Signaling, Response to Growth Hormone Stimulus, ER-Nucleus Signaling, Platelet-derived growth Factor Receptor Signaling

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 modificated 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

Handling

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