

Datasheet for ABIN7585770
SHP1 Protein (AA 1-613) (His tag)



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Overview

Quantity:	100 µg
Target:	SHP1 (PTPN6)
Protein Characteristics:	AA 1-613
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHP1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MLSRGWFHRD LSGPDAETLL KGRGVPGSFL ARPSRKNQGD FLSVRVDDQ VTHIRIQNSG</p> <p>DFYDLYGGEK FATSTELVEY YTQQGILQD RDGTIIHLKY PLNCSDPTSE RWHYGHMSGG</p> <p>QAESLLQAKG EPWTFVLVRES LSQPGDFVLS VLNDQPKAAP GSPLRVTHIK VMCEGGRYTV</p> <p>GGSETFDSLT DLVEHFKKTG IEEASGAFVY LRQPYATRV NAADIENRVL ELNKKQESD</p> <p>TAKAGFWEF ESLQKQEAQN LHRLEGQRP ENKSKNRYKN ILPFDHSRVI LQGRDSNIPG</p> <p>SDYINANYVK NQLLGPDENS KTYIASQGCL DATVNDFWQM AWQENTRVIV MTTREVEKGR</p> <p>NKCVPYWPEV GTQRVYGLYS VTNCKEHDTA EYKLRTLQIS PLDNGDLVRE IWHYQYLSWP</p> <p>DHGVPSSEPGG VLSFLDQINQ RQESLPHAGP IIVHCSAGIG RTGTIIVIDM LMESVSTKGL</p> <p>DCDIDIQKTI QMVRAQRSGM VQTEAQYKFI YVAIAQFIET TKKKLEIIQS QRGQSEYGN</p> <p>ITYPPALRSA HAKASRTSSK HKEEVYENVH SKNKKEEKVK KQRSADKEKN KGSLKRNISL</p> <p>TPCRGLRWAD RDL</p>
Specificity:	Rattus norvegicus (Rat)

Product Details

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.
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Purity:	> 90 %
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Target Details

Target:	SHP1 (PTPN6)
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Alternative Name:	Tyrosine-protein phosphatase non-receptor type 6 (Ptpn6) (PTPN6 Products)
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Background:	Recommended name: Tyrosine-protein phosphatase non-receptor type 6. EC= 3.1.3.48. Alternative name(s): Protein-tyrosine phosphatase SHP-1
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UniProt:	P81718
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Pathways:	JAK-STAT Signaling , TCR Signaling , TLR Signaling , Nuclear Receptor Transcription Pathway , Positive Regulation of Peptide Hormone Secretion , Steroid Hormone Mediated Signaling Pathway , Response to Growth Hormone Stimulus , Regulation of Leukocyte Mediated Immunity , CXCR4-mediated Signaling Events , Signaling Events mediated by VEGFR1 and VEGFR2 , BCR Signaling
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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.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Handling

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.