Datasheet for ABIN7585767

PTPN11 Protein (AA 2-597) (His tag)

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Overview

Quantity:	100 µg
Target:	PTPN11
Protein Characteristics:	AA 2-597
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPN11 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	TSRRWFHPN ITGVEAENLL LTRGVDGSFL ARPSKSNPGD FTLSVRRNGA VTHIKIQNTG DYYDLYGGEK FATLAELVQY YMEHHGQLKE KNGDVIELKY PLNCADPTSE RWFHGHLSGK EAEKLLTEKG KHGSFLVRES QSHPGDFVLS VRTGDDKGES NDSKSKVTHV MIRCQELKYD VGGGERFDSL TDLVEHYKKN PMVETLGTVL QLKQPLNTTR INAAEIESRV RELSKLAETT DKVKQGFWEE FETLQQQECK LLYSRKEGQR QENKNKNRYK NILPFDHTRV VLHDGDPNEP VSDYINANII MPEFETKCNN SKPKKSYIAT QGCLQNTVND FWRMVFQENS RVIVMTTKEV ERGKSKCVKY WPDECALKEY GVMRVRNVRE SAAHDYTLRE LKLSKVGQAL LQGNTERTVW QYHFRTWPDH GVPSDPGGVL DFLEEVHHKQ ESIVDAGPVV VHCSAGIGRT GTFIVIDILI DIIREKGVDC DIDVPKTIQM VRSQRSGMVQ TEAQYRFIYM AVQHYIETLQ RRIEEEQKSK RKGHEYTNIK YSLVDQTSGD QSPLPPCTPT PPCAEMREDS ARVYENVGLM QQQRSFR
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien

Product Details

	cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	PTPN11
Alternative Name:	Tyrosine-protein phosphatase non-receptor type 11 (Ptpn11) (PTPN11 Products)
Target Type:	Viral Protein
Background:	Recommended name: Tyrosine-protein phosphatase non-receptor type 11. EC= 3.1.3.48. Alternative name(s): Protein-tyrosine phosphatase 1D. Short name= PTP-1D Protein-tyrosine phosphatase SYP SH-PTP2. Short name= SHP-2. Short name= Shp2
UniProt:	P41499
Pathways:	JAK-STAT Signaling, RTK Signaling, TCR Signaling, Interferon-gamma Pathway, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Negative Regulation of Hormone Secretion, Carbohydrate Homeostasis, Toll-Like Receptors Cascades, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, VEGFR1 Specific Signals, BCR Signaling, Warburg Effect

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.

Application Details

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.