

Datasheet for ABIN7596281

PTPN11 Protein (AA 1-593) (His tag)



[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	PTPN11
Protein Characteristics:	AA 1-593
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PTPN11 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	MTSRRWF HPNITGVEAE NLLLTRGVDG SFLARPSKSN PGDFTLSVRR NGAVTHIKIQ NTGDYYDLYG GEKFATLAEL VQYYMEHHGQ LKEKNGDVIE LKYPLNCADP TSERWFHGH SGKEAEKLLT EKGKHGSFLV RESQSHPGDF VLSVRTGDDK GESNDGKSKV THVMIRCQEL KYDVGGGERF DSLTDLVEHY KKNPMVETLG TVLQLKQPLN TTRINAAEIE SRVRELSKLA ETTDKVKQGF WEEFETLQQQ ECKLLYSRKE GQRQENKNKN RYKNILPFDH TRVVLHDGDP NEPVSDYINA NIIMPEFETK CNNSKPKKSY IATQGCLQNT VNDFWRMVFQ ENSRVIVMTT KEVERGKSKC VKYWPDEYAL KEYGVMRVRN VKESAAHDYT LRELKLSKVG QGNTERTVWQ YHFRTWPDHG VPSDPGGVLD FLEEVHHKQE SIMDAGPVVV HCSAGIGRTG TFIVIDILID IIREKGVDCD IDVPKTIQMV RSQRSGMVQT EAQYRFIYMA VQHYIETLQR RIEEEQKSKR KGHEYTNIKY SLADQTSGDQ SPLPPCTPTP PCAEMREDSA RYVENVGLMQ QQKSFR
Purity:	> 90% by SDS-PAGE

Product Details

Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 400 unit/mg, and is defined as the amount of enzyme that hydrolyze 1.0nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37C.

Target Details

Target:	PTPN11
Alternative Name:	SHP-2/PTPN11 (PTPN11 Products)
Target Type:	Viral Protein
Background:	SHP-2, also known as, tyrosine-protein phosphatase non-receptor type 11(PTPN11), is a member of the protein tyrosine phosphatase (PTP) family containing two Src homology 2 domains. This protein dephosphorylates tyrosine residues in proteins. It plays a stimulatory role in activation of the Erk/MAP kinase pathway by receptor tyrosine kinase signaling. Mutations in this protein are a cause of Noonan syndrome as well as acute myeloid leukemia. Recombinant human SHP-2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	69.1kDa (602aa)
NCBI Accession:	NP_002825
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

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL

Handling

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.