

Datasheet for ABIN7556173
PTPN5 Protein (AA 1-541) (His tag)



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Overview

Quantity:	1 mg
Target:	PTPN5
Protein Characteristics:	AA 1-541
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPN5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Ptpn5 Protein expressed in mammalien cells.
Sequence:	<p>MCCSERLLGL PQPVEMEAPD EA EGLPSKQK EMPPPPPPSP PSEPAQKLPP QGAGSHSLTV RSSLC LFAAS QFLACGV LW LSGHGH SWLQ NTTDLISSSL TVLNHLGPVA WLGSGTWGIP SLLLVS LTVS LVIVTTLVWH LLKAPPEPPA PLPPEDRRQS VSRQPSFTYS EWMEEKVEDD FLDLAVPET PVFDCVMDIK PETDPASLTV KSMGLQERRG SNVSLTDMC TPGCNEEGFG YLVS PREESA HEYLLSASRV LRAELHEKA LDPFLLQAEF FEIPMNFVDP KEYDIPGLVR KNRYKTILPN PHSRVRLTSP DPEDPLSSYI NANYIRGYSG EEKVYIATQG PIVSTVADFW RMVWQERTPI IVMITNIEEM NEKCTEYWPE EQVVDHGVEI TVQKVIHTED YRLRLISLRR GTEERSLKHY WFTSWPDQKT PDRAPLLHL VREVEEAAQ EGPHCSPHIV HCSAGIGRTG CFIATSICCQ QLRREGVVDI LKTTCQLRQD RGGMIQTCEQ YQFVHHAMSL YEQQLSLQSS E</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary.</p>

Product Details

In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PTPN5

Alternative Name:

Ptpn5 ([PTPN5 Products](#))

Background:

Tyrosine-protein phosphatase non-receptor type 5 (EC 3.1.3.48) (Neural-specific protein-tyrosine phosphatase) (Striatum-enriched protein-tyrosine phosphatase) (STEP),FUNCTION: May regulate the activity of several effector molecules involved in synaptic plasticity and neuronal cell survival, including MAPKs, Src family kinases and NMDA receptors. {ECO:0000250}.

Molecular Weight:

60.8 kDa

UniProt:

[P54830](#)

Application Details

Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

Application Details

guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months