

Datasheet for ABIN7551090
PTPN5 Protein (AA 1-565) (His tag)



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Overview

Quantity:	1 mg
Target:	PTPN5
Protein Characteristics:	AA 1-565
Origin:	Human
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 mammalian cells.
Sequence:	<p>MNYEGARSER ENHAADDSEG GALDMCCSER LPGLPQPIVM EALDEAEGQLQ DSQREMPPPP</p> <p>PPSPSPDPAQ KPPPRGAGSH SLTVRSSLCL FAASQFLLAC GVLWFSGYGH IWSQNATNLV</p> <p>SSLLTLLKQL EPTAWLDSGT WGVPSLLLVF LSVGLVLVTT LVWHLLRTPP EPPTPLPPED</p> <p>RRQSVSRQPS FTYSEWMEEK IEDDFLDLDP VPETPVFDCV MDIKPEADPT SLTVKSMGLQ</p> <p>ERRGSNVSLT LDMCTPGCNE EGFGYLMSPR EESAREYLLS ASRVLQAEEL HEKALDPFLL</p> <p>QAEFFEIPMN FVDPKEYDIP GLVRKNRYKT ILPNPHSRVC LTSPDPDDPL SSIYINANYIR</p> <p>GYGGEEKVYI ATQGPIVSTV ADFWRMVWQE HTPIIVMITN IEEMNEKCTE YWPREEQVAYD</p> <p>GVEITVQKVI HTEDYRLRLI SLKSGTEERG LKHYWFTSWP DQKTPDRAPP LLHLVREVEE</p> <p>AAQEGPHCA PIIVHCSAGI GRTGCFIATS ICCQQLRQEG VVDILKTTCC LRQDRGGMIQ</p> <p>TCEQYQFVHH VMSLYEKQLS HQSPE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein</p>

could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PTPN5
Alternative Name:	PTPN5 (PTPN5 Products)
Background:	<p>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:0000269 PubMed:21777200}.</p>
Molecular Weight:	63.5 kDa
UniProt:	P54829

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
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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