

Datasheet for ABIN7555090

**PTPN21 Protein (AA 1-1174) (His tag)**[Go to Product page](#)

## Overview

Quantity: 1 mg

Target: PTPN21

Protein Characteristics: AA 1-1174

Origin: Human

Source: HEK-293 Cells

Protein Type: Recombinant

Purification tag / Conjugate: This PTPN21 protein is labelled with His tag.

Application: Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose: Custom-made recombinat PTPN21 Protein expressed in mammalien cells.

Sequence: MPLPFGKCLK RTRRYTVSSK SCLVARIQLL NNEFVEFTLS VESTGQESLE AVAQRLELRE  
VTYFSLWYYN KQNQRRWVDL EKPLKKQLDK YALEPTVYFG VVFYVPSVSQ LQQEITRYQY  
YLQLKKDILE GSIPCTLEQA IQLAGLAVQA DFGDFDQYES QDFLQKFALF PVGWLQDEKV  
LEEATQKVAL LHQKYRGLTA PDAEMLYMQE VERMDGYGEE SYPAKDSQGS DISIGACLEG  
IFVKHKNGRH PVVFRWHDIA NMSHNKSFFA LELANKEETI QFQTEDMETA KYIWRLCVAR  
HKFYRLNQC� LQTQTVTVNP IRRRSSRMS LPKPQPYVMP PPPQLHYNGH YTEPYASSQD  
NLFVPNQNGY YCHSQTSLDR AQIDLNGRIR NGSVYSAHST NSLNNPQPYL QPSPMSSNPS  
ITGSDVMRPD YLPSHRHSAV IPPSYRPTPD YETVMKQLNR GLVHAERQSH SLRNLNIGSS  
YAYSRAALV YSQPEIREHA QLPSAAAHC PFSLSYSFHS PSPYPYPAER RPVVGAVSVP  
ELTNAQLQAQ DYPSPNIMRT QVYRPPPPYP PPRPANSTPD LSRHLYISSS NPDLITRRVH  
HSVQTFQEDS LPVAHSLQEV SEPLTAARHA QLHKRNSIEV AGLSHGLEGL RLKERTLSAS

## Product Details

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AAEVAPRAVS VGSQPSVFTE RTQREGPEEA EGLRYGHKKS LSDATMLIHS SEEEEDEDFE  
EESGARAPPA RAREPRPGLA QDPPGCPRLV LAGPLHILEP KAHVPDAEKR MMDSSPVRTT  
AEAQRPWDRG LLMPMSSESD LTTSGRYRAR RDSLKKRPVS DLLSGKKNIV EGLPPLGGMK  
KTRVDAKKIG PLKLAALNGL SLSRVPLPDE GKEVATRATN DERCKILEQR LEQGMVFTEY  
ERILKKRLVD GECSTARLPE NAERNRFQDV LPYDDVRVEL VPTKENNTGY INASHIKVSV  
SGIEWDYIAT QGPLQNTCQD FWQMVWEQGI AIIAMVTAE EGGREKSFY WPRLGSRHNT  
VTYGRFKITT RFRDMSGCYA TTGLKMKHLL TGQERTVWHL QYTDWPEHGC PEDLKGFLSY  
LEEIQSVRRH TNSTSDPQSP NPPLLHCSA GVGRTGVVIL SEIMIACLEH NEVLDIRVPL  
DMLRQQRMMML VQTLQCQYTFV YRVLIQFLKS SRLI **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. In case you have a special request, please contact us.**

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### 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.

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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

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### Target:

PTPN21

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### Alternative Name:

PTPN21 ([PTPN21 Products](#))

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### Background:

Tyrosine-protein phosphatase non-receptor type 21 (EC 3.1.3.48) (Protein-tyrosine phosphatase)

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## Target Details

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D1)

Molecular Weight: 133.3 kDa

UniProt: [Q16825](#)

## Application Details

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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 guarantee though.

Restrictions: For Research Use only

## Handling

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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