

Datasheet for ABIN3135503

PTPN21 Protein (AA 1-1176) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	PTPN21
Protein Characteristics:	AA 1-1176
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPN21 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

Product Details

Brand:	AliCE®
Sequence:	MPLPFGLKLLK RTRRYTVSSK SCLVARIQLL NNEFVEFTLS VESTGQESLE AVAQRLELRE VTYFSLWYYN KQNQRRWVDL EKPLKKQLDK HALEPTVYFG VLFYVPSVSQ LQQEITRYQY YLQLKKDILE GNLPCLEHA IQLAGLAVQA DFGDFDQYES QDFLQKFALL PVAWLQDEKV LEEAAQKVAL LHQKYRGLTA PEAELLYMQE VERMDGYGEE SYPAKDSQGS DISIGACLDG IFVKHKNGRP PVVFRWHDIA NMSHNKSFFA LELANKEETI QFQTEDMETA KYVWRLCVAR HKFYRLNQCS LQTQAATLNS VRRDSSSRMS LPKPQPYAMP PPPQLHYNGH YTEPFASSQD NIFVPNKNGF YCHSQTSLDR TQIDLSGRIR NGSVSAHST NSLNTLQPYL QPSPMSSNPS ITGSDVMRPD SLPSHRHSAL IPPSYRPTPD YETVMKQLNR GMVHADRHSH SLRNLNIGSS YAYSRPDALV YSQPEIREHP HLTSPQSAHY PFNLNYSFHS QSPYPYPAER RPVVGAVSVP ELTNVQLQAQ DYPAPNIMRT QVYRPPPPYP YPRPANSTPD LSRHLYISSS NPDILTRRVH HSVQTFQEDS LPVAHSLQEV SEPLTAARHA HLQKRNSIEI AGLTHGFEGL RLKERTVSAS

AADVAPRTFS AGSQSSVFSD KMKQEGTEEQ EGGRYSHKKS LSDATMLIDS SEEDLEED
SSREQAISAV SEPRLTAAFS QELNYPCASA TPITGPLHIF EPKPHVTEPE KRAKDISPVH
LVVETHRPRR DGLLTSPMSE SDLTTSGRYR ARRDVKKRP VSDLLSGKKS AVEGLPPLGG
MKKTRADAKK IGPLKLAALN GLSLRRLPLP DEGKEVSTRA TNDERCKVLE QRLEQGMVFT
EYERILKKRL VDGECESTARL PENAERNRFQ DVLPYDDARV ELVPTKENNT GYINASHIKV
SVSGIEWDYI ATQGQLQNTC QDFWQMVWEQ GVAIIAMVTA EEEGGREKSF RYWPRLGSRH
NTVTYGRFKI TTRFRDSCG YATTGLKMKH LLTGQERTVW HLQYTDWPEH GCPEDLKGFL
SYLEEIQSVR RHTNSTSEPK SHNPPLLVHC SAGVGRTGVV ILSEIMVACL EHNEVDIPR
VLDMLRQQRMLVQTLGQYT FVYRVLIQFL KSSRLI

Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Product Details

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification: One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).

Purity: > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade: custom-made

Target Details

Target: PTPN21

Alternative Name: Ptpn21 ([PTPN21 Products](#))

Background: Tyrosine-protein phosphatase non-receptor type 21 (EC 3.1.3.48) (Protein-tyrosine phosphatase PTP-RL10),FUNCTION: May be involved in the regulation of growth and differentiation of liver cells.

Molecular Weight: 133.5 kDa

UniProt: [Q62136](#)

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 guarantee though.

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Application Details

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Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months