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PTPN11 Protein (AA 2-597) (His tag)



Overview

Quantity:	1 mg
Target:	PTPN11
Protein Characteristics:	AA 2-597
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPN11 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:

TSRRWFHPNI TGVEAENLLL TRGVDGSFLA RPSKSNPGDF TLSVRRNGAV THIKIQNTGD
YYDLYGGEKF ATLAELVQYY MEHHGQLKEK NGDVIELKYP LNCADPTSER WFHGHLSGKE
AEKLLTEKGK HGSFLVRESQ SHPGDFVLSV RTGDDKGESN DGKSKVTHVM IRCQELKYDV
GGGERFDSLT DLVEHYKKNP MVETLGTVLQ LKQPLNTTRI NAAEIESRVR ELSKLAETTD
KVKQGFWEEF ETLQQQECKL LYSRKEGQRQ ENKNKNRYKN ILPFDHTRVV LHDGDPNEPV
SDYINANIIM PEFETKCNNS KPKKSYIATQ GCLQNTVNDF WRMVFQENSR VIVMTTKEVE
RGKSKCVKYW PDEYALKEYG VMRVRNVKES AAHDYTLREL KLSKVGQALL QGNTERTVWQ
YHFRTWPDHG VPSDPGGVLD FLEEVHHKQE SIMDAGPVVV HCSAGIGRTG TFIVIDILID
IIREKGVDCD IDVPKTIQMV RSQRSGMVQT EAQYRFIYMA VQHYIETLQR RIEEEQKSKR
KGHEYTNIKY SLADQTSGDQ SPLPPCTPTP PCAEMREDSA RVYENVGLMQ QQKSFR

SEQUENCE WITHOUT TAG. TAG location is at the discretion of the manufacturer. If you have

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Characteristics:

- Made in Germany from design to production by highly experienced protein experts.
- Human PTPN11 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

- 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
- 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Purity:

>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

Sterility:

0.22 µm filtered

Endotoxin Level:

Protein is endotoxin free.

Grade:

Crystallography grade

Target Details

e kinases to participate in norylates ROCK2 at Tyr- 69 PubMed:10655584, Pathway, Fc-epsilon
norylates ROCK2 at Tyr-69 PubMed:10655584,
norylates ROCK2 at Tyr-69 PubMed:10655584,
norylates ROCK2 at Tyr-69 PubMed:10655584,
sis, Toll-Like Receptors sted by VEGFR1 and pecific Signals, BCR
ork for functional studies ve cannot offer a
ne default tag will be e.g. GST-tag) instead to ail to assure that you
ion of the manufacturer.

Handling

Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)