

Datasheet for ABIN3089479

## PPP1R13B Protein (AA 1-1090) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	PPP1R13B
Protein Characteristics:	AA 1-1090
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP1R13B protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MMPMILTVFL SNNEQILTEV PITPETTCRD VVEFCKEPGE GSCHLAEVWR GNERPIPFDH</p> <p>MMYEHLQKWG PRREEVKFFL RHEDSPTENS EQGGRQTQEQ RTQRNVINVP GEKRTENGVG</p> <p>NPRVELTLSE LQDMAARQQQ QIENQQQMLV AKEQRLHFLK QQERRQQQSI SENEKLQKLK</p> <p>ERVEAQENKL KKIRAMRGQV DYSKIMNGNL SAEIERFSAM FQEKQEVQT AILRVDQLSQ</p> <p>QLEDLKKGKL NGFQSYNGKL TGPAAVELKR LYQELQIRNQ LNQEQQNSKLQ QQKELLNKRN</p> <p>MEVAMMDKRI SELRERLYGK KIQLNRVNGT SSPQSPLSTS GRVAAVGPYI QVPSAGSFPV</p> <p>LGDPIKPQSL SIASNAAHGR SKSANDGNWP TLKQNSSSSV KPVQVAGADW KDPSVEGSVK</p> <p>QGTVSSQPVP FSALGPTEKP GIEIGKVPVP IPGVGKQLPP SYGTYPSPPTP LGPGSTSSLE</p> <p>RRKEGSLPRP SAGLPSRQRP TLLPATGSTP QPGSSQIQQ RISVPPSPTY PPAGPPAFPA</p> <p>GDSKPELPLT VAIRPFLADK GSRPQSPRKG PQTVNSSSIY SMYLQQATPP KNYQPAAHSA</p> <p>LNKSVKAVYG KPVLPSTGTS PSPLPFLHGS LSTGTPQPQP PSESTEKEPE QDGPAAPADG</p>

STVESLPRPL SPTKLTPIVH SPLRYQSDAD LEALRRKLAN APRPLKKRSS ITEPEGPGGP  
NIQKLLYQRF NTLAGGMEGT PFYQPSPSQD FMGTLADVDN GNTNANGNLE ELPPAQPTAP  
LPAEPAPSSD ANDNELPSPE PEELICPQTT HQTAEP AEDN NNNVATVPTT EQIPSPVAEA  
PSPGEEQVPP APLPPASHPP ATSTNKRTNL KKPNSERTGH GLRVRFNPLA LLLDASLEGE  
FDLVQRIYE VEDPSKPND E GITPLHNAVC AGHHHIVKFL LDFGVNVNAA DSDGWTPLHC  
AASCNSVHLC KQLVESGAAI FASTISDIET AADKCEEMEE GYIQCSQFLY GVQEKLGV MN  
KGVAYALWDY EAQNSDELSF HEGDAL TILR RKDESETEWW WARLGDREGY VPKNLLGLYP  
RIKPRQRTLA

**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.**

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### 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!

#### Concentration:

## Product Details

- 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: PPP1R13B

Alternative Name: PPP1R13B ([PPP1R13B Products](#))

Background: Apoptosis-stimulating of p53 protein 1 (Protein phosphatase 1 regulatory subunit 13B),FUNCTION: Regulator that plays a central role in regulation of apoptosis via its interaction with p53/TP53 (PubMed:11684014, PubMed:12524540). Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo. {ECO:0000269|PubMed:11684014, ECO:0000269|PubMed:12524540}.

Molecular Weight: 119.6 kDa

UniProt: [Q96KQ4](#)

Pathways: [p53 Signaling](#)

## 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 <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months