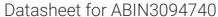
antibodies .- online.com





PPP1R10 Protein (AA 1-940) (Strep Tag)



Go to Product page

Overview

Quantity:	1 mg
Target:	PPP1R10
Protein Characteristics:	AA 1-940
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP1R10 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), ELISA, SDS-PAGE (SDS)

Product Details

Sequence:

MGSGPIDPKE LLKGLDSFLN RDGEVKSVDG ISKIFSLMKE ARKMVSRCTY LNILLQTRSP
EILVKFIDVG GYKLLNNWLT YSKTTNNIPL LQQILLTLQH LPLTVDHLKQ NNTAKLVKQL
SKSSEDEELR KLASVLVSDW MAVIRSQSST QPAEKDKKKR KDEGKSRTTL PERPLTEVKA
ETRAEEAPEK KREKPKSLRT TAPSHAKFRS TGLELETPSL VPVKKNASTV VVSDKYNLKP
IPLKRQSNVA APGDATPPAE KKYKPLNTTP NATKEIKVKI IPPQPMEGLG FLDALNSAPV
PGIKIKKKKK VLSPTAAKPS PFEGKTSTEP STAKPSSPEP APPSEAMDAD RPGTPVPPVE
VPELMDTASL EPGALDAKPV ESPGDPNQLT RKGRKRKSVT WPEEGKLREY FYFELDETER
VNVNKIKDFG EAAKREILSD RHAFETARRL SHDNMEEKVP WVCPRPLVLP SPLVTPGSNS
QERYIQAERE KGILQELFLN KESPHEPDPE PYEPIPPKLI PLDEECSMDE TPYVETLEPG
GSGGSPDGAG GSKLPPVLAN LMGSMGAGKG PQGPGGGGIN VQEILTSIMG SPNSHPSEEL
LKQPDYSDKI KQMLVPHGLL GPGPIANGFP PGGPGGPKGM QHFPPGPGGP MPGPHGGPGG
PVGPRLLGPP PPPRGGDPFW DGPGDPMRGG PMRGGPGPGP GPYHRGRGGR GGNEPPPPPPP

PFRGARGGRS GGGPPNGRGG PGGGMVGGGG HRPHEGPGGG MGNSSGHRPH EGPGGGMGSG HRPHEGPGGS MGGGGGHRPH EGPGGGISGG SGHRPHEGPG GGMGAGGGHR PHEGPGGSMG GSGGHRPHEG PGHGGPHGHR PHDVPGHRGH DHRGPPPHEH RGHDGPGHGG GGHRGHDGGH SHGGDMSNRP VCRHFMMKGN CRYENNCAFY HPGVNGPPLP

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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 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.

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 posttranslational 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:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

	We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System
	(ALiCE®):
	1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag
	capture material. 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:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Target Details	
Target:	PPP1R10
Alternative Name:	PPP1R10 (PPP1R10 Products)
Background:	Serine/threonine-protein phosphatase 1 regulatory subunit 10 (MHC class I region proline-rich
	protein CAT53) (PP1-binding protein of 114 kDa) (Phosphatase 1 nuclear targeting subunit)
	(Protein FB19) (p99),FUNCTION: Scaffold protein which mediates the formation of the
	PTW/PP1 phosphatase complex by providing a binding platform to each component of the
	complex. The PTW/PP1 phosphatase complex plays a role in the control of chromatin structure
	and cell cycle progression during the transition from mitosis into interphase. Mediates
	interaction of WDR82 and PPP1CA. Inhibitor of PPP1CA and PPP1CC phosphatase activities.
	Has inhibitory activity on PPP1CA only when phosphorylated. Binds to mRNA, single-stranded
	DNA (ssDNA), poly(A) and poly(G) homopolymers (By similarity). {ECO:0000250,
	ECO:0000269 PubMed:9450550}.
Molecular Weight:	99.1 kDa
UniProt:	Q96QC0
Pathways:	Protein targeting to Nucleus
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

Application Details

, application because	
	guarantee though.
Comment:	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!
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. If you have a special request,
	please contact us.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)