

Datasheet for ABIN3094748

PRPF40A Protein (AA 1-957) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	PRPF40A
Protein Characteristics:	AA 1-957
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRPF40A protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MRPGTGAERG GLMVSEMesh PPSQGPGDGE RRLSGSSLCS GSWVSADGFL RRRPSMGHPG MHYAPMG MHP MGQRANMP PV PHGMMPQMMP PMGGPPMGQM PGMMSSVMPG MMMSHMSQAS MQPALPPGVN SMDVAAGTAS GAKSMWTEHK SPDGRYYYYN TETKQSTWEK PDDLKTPAEQ LLSKCPWKEY KSDSGKPYYY NSQTKESRWA KPKELEDLEG YQNTIVAGSL ITKSNLHAMI KAEESKQEE CTTTSTAPVP TTEIPTTMST MAAAEAAAAV VAAAAAAAAA AAAAANANAST SASNTVSGTV PVVPEPEVTS IVATVVDNEN TVTISTEEQA QLTSTPAIQD QSVEVSSNTG EETSKQETVA DFTPKKEEEE SQPAKKTYTW NTKEEAKQAF KELLKEKRVP SNASWEQAMK MIINDPRYSA LAKLSEKKQA FNAYKVQTEK EEKEEARSKY KEAKESFQRF LENHEKMTST TRYKKAEQMF GEMEVWNAIS ERDRLEIYED VLFFLSKKEK EQAKQLRKRN WEALKNILDN MANVTYSTTW SEAQQYLM DN PTFAEDEELQ NMDKEDALIC FEEHIRALEK EEEEKQKSL LRERRRQRKN RESFQIFLDE LHEHGQLHSM SSWMELYPTI SSDIRFTNML

GQPGSTALDL FKFYVEDLKA RYHDEKKIIK DILKDKGFVV EVNTTFEDFV AIISSTKRST
TLDAGNIKLA FNSLLEKAEA REREREKEEA RKMKRKESAF KSMLKQAAPP IELDAVWEDI
RERFVKEPAF EDITLESERK RIFKDFMHVL EHECQHHSK NKKHSSKSKK HHRKRSRERS
GSDSDDDDSH SKKKRQRSES RSASEHSSSA ESERSYKSK KHKKKSKKRR HKSDSPESDA
EREKDKKEKD RESEKDRTRQ RSESKHKSPK KKTGKDSGNW DTSGSELSEG ELEKRRRTLL
EQLDDQ

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!

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.

Product Details

- 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: PRPF40A

Alternative Name: PRPF40A ([PRPF40A Products](#))

Background: Pre-mRNA-processing factor 40 homolog A (Fas ligand-associated factor 1) (Formin-binding protein 11) (Formin-binding protein 3) (Huntingtin yeast partner A) (Huntingtin-interacting protein 10) (HIP-10) (Huntingtin-interacting protein A) (Renal carcinoma antigen NY-REN-6),FUNCTION: Binds to WASL/N-WASP and suppresses its translocation from the nucleus to the cytoplasm, thereby inhibiting its cytoplasmic function (By similarity). Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape and migration. May play a role in cytokinesis. May be involved in pre-mRNA splicing. {ECO:0000250, ECO:0000269|PubMed:21834987}.

Molecular Weight: 108.8 kDa

UniProt: [O75400](#)

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