

Datasheet for ABIN7564420  
**PPFIA2 Protein (AA 1-1257) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PPFIA2
Protein Characteristics:	AA 1-1257
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPFIA2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ppfia2 Protein expressed in mammalian cells.
Sequence:	MMCEVMPTIN EDTPMSQRGS QSSGSDSDSH FEQLMVNMLD ERDRLLDTLR ETQESLSLAQ QRLQDVIYDR DSLQRQLNSA LPQDIESLTG GLTGSKGADP PEFAALTKEL NACREQLLEK EEEISELKAE RNNTRLLLEH LECLVSRHER SLRMTVVKRQ AQSPSGVSSE VEVLKALKSL FEHHKALDEK VRERLRVSLE RVSALEEEEA AANQEIVALR EQNVHIQRKM VSSEGSTESE HLEGMEAGQK VHEKRLSNGS IDSTDDTSQI VELQELLEKQ NYEMAQMKER LTALSSRVGE VEQEAETARK DLIKTEEMNT KYQRDIREAM AQKEDMEERI TTLEKRYLSA QRESTSIHDM NDKLENELAN KEAILRQMEE KNRQLQERLE LAEQKLQQTM RKAETLPEVE AELAQRIAL TKAEERHGNI EEMRHLEGQ LEEKNQELQR ARQREKMNEE HNKRLSDTVD RLLTESNERL QLHLKERMAA LEEKNVLIQE SENFRKNLEE SLHDKVSLAE EIEKLRSELD QMKMRTGSLI EPTISRTHID TSTELRYSVG SLVDSQSDYR TTKVIRRRPR GRMGVRRDEP KVKSLGDHEW NRTQQIGVLG SHPFESDTEM SDIDDDDDRET IFSSMDLLSP SGHSDAQTLA MMLQEQLDAI NKEIRLIQEE KESTELRAEE IENRVASVSL EGLNLARVHP GTSITASVTA SSLASSSPPS

## Product Details

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GHSTPKLTPR SPAREMDRMG VMTLPSDLRK HRRKIAVVEE DGREDKATIK CETSPPTPR  
AVRMTHTLPS SYHNDARSSL SASLEPDSLQ LGSANSSQDS LHKAPKKKGI KSSIGRLFGK  
KEKARLGQLR GFMETEAAAQ ESLGLGKLTG QAEKDRRLKK KHELLEEARR KGLPFAQWDG  
PTVVAWLELW LGMPAWYVAA CRANVKSGAI MSALSDTEIQ REIGISNPLH RLKRLAIQE  
MVSLTSPSAP PTSRTPSGNV WVTHEEMENL TAPAKTKESE EGSWAQCPVF LQTLAYGDMN  
HEWIGNEWLP SLGLPQYRSY FMECLVDARM LDHLTKKDLR VHLKMOVDSFH RTSLQYGIMC  
LKRLNYDRKE LERRREASQH EIKDVLVWSN DRVIRWIQAI GLREYANNIL ESGVHGSLIA  
LDENFDYSSL ALLLQIPTQN TQARQILERE YNNLLALGTE RRLDESDDKN FRRGSTWRRQ  
FPPREVHGSI MMPGSSETLP AGFRLTTTSG QSRKMTTDAV SSRLQRLDNS TVRTYSC **Sequence  
without tag. The proposed Purification-Tag is based on experiences 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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Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

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## Target Details

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Target: PPFIA2

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## Target Details

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Alternative Name:	Ppfia2 ( <a href="#">PPFIA2 Products</a> )
Background:	Liprin-alpha-2 (Protein tyrosine phosphatase receptor type f polypeptide-interacting protein alpha-2) (PTPRF-interacting protein alpha-2),FUNCTION: Alters PTPRF cellular localization and induces PTPRF clustering. May regulate the disassembly of focal adhesions. May localize receptor-like tyrosine phosphatases type 2A at specific sites on the plasma membrane, possibly regulating their interaction with the extracellular environment and their association with substrates. In neuronal cells, is a scaffolding protein in the dendritic spines which acts as immobile postsynaptic post able to recruit KIF1A-driven dense core vesicles to dendritic spines. {ECO:0000250 UniProtKB:O75334}.
Molecular Weight:	143.2 kDa
UniProt:	<a href="#">Q8BSS9</a>

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months