

Datasheet for ABIN7563806  
**PSD Protein (AA 1-1024) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PSD
Protein Characteristics:	AA 1-1024
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSD protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Psd Protein expressed in mammalian cells.
Sequence:	<p>MAQGAMRFCS EGDCAISPPR CPRRWLPEGP VPQSPPASMY GSTGSLIRRV VGPGPRGRDL</p> <p>GRVTAPCTPL RAPPSPHIAP SPWGPSSPTG QPPPGAQSSV VIFRFVEKAS VRPLNGLPAS</p> <p>GGLSRSWDLG GISAPRPTPA LGPGCNRLR LEASTSDPLP AGGGSVLPGS RDPSRGPLVP</p> <p>PQIGADGLYS SLPNGLGGTP EHLAMHFRGP ADTGFLNQGD TWSSPREVSS HAQRIARAKW</p> <p>EFFYGSLDAP SSGAKPPEQV LPSRGVGSQK GSGVAVGRAA KYSETDLDKV PLRCYRETDI</p> <p>DEVLAEREEA DSAIESQPSS EGPHGTAQPP ASRSPSPCPGP SSSLGSGNED DEAGGEEDVD</p> <p>DEVFEASEGA RPGDHMPHSG LLKSPVPFLL GTSPSADGPD SFSCVFMAIL ESHRAKGTSY</p> <p>SSLASLEALA SPGPTQSPFF TFEMPPQPPA PRPDPPAPAP LAPLEPDSGT SSAADGPWTQ</p> <p>RREVEESDAG ATLAPRKELP SPSHSEDSFG LGAAPLGSEP PLSQLVSDSD SELDSTERLA</p> <p>LGSTDTLNNG QKADLEAAQR LAKRLYRLDG FRKADVARHL GKNNDFSKLV AGEYLKFFVF</p> <p>TGMTLDQALR VFLKELALMG ETQERERVLA HFSQRYFQCN PEALSSSEDGA HTLTALMLL</p>

NTDLHGHNIG KRMTCGDFIG NLEGLNDGGD FPRELLKALY SSIKNEKLQW AIDEEELRRS  
LSELADPNPK VIKRVSGGSG SSSSPFLDLT PEPGAAVYKH GALVRKVHAD PDCRKTPRGK  
RGWKSFGIL KGMILYLQKE EYQPGKALSE AELKNAISIH HALATRASDY SKRPHVFYLR  
TADWRVFLFQ APSLEQMQSW ITRINVVAAM FSAPPFPAV SSQKKFSRPL LPSAATRLSQ  
EEQVRTHEAK LKAMASELRE HRAAHLGKKA RGKEADEQRQ KEAYLEFEKS RYGTYAALLR  
VKMKAASEEL DTIEAALAQA GSTEDGCPPP HSSPSLRPKP TSQPRAQRPG SETRAGAGST RPKP

**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.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	PSD
Alternative Name:	Psd ( <a href="#">PSD Products</a> )
Background:	PH and SEC7 domain-containing protein 1 (Exchange factor for ADP-ribosylation factor guanine nucleotide factor 6) (Exchange factor for ARF6) (Exchange factor for ARF6 A) (Pleckstrin homology and SEC7 domain-containing protein 1),FUNCTION: Guanine nucleotide exchange factor for ARF6 (By similarity). Isoform 2 and isoform 3 induce cytoskeletal remodeling, but lead

## Target Details

	to distinct morphological changes in HeLa cells: isoform 2 induces cell elongation and formation of actin-rich protrusions, whereas isoform 3 promotes the formation of membrane ruffles and loss of stress fibers (PubMed:19494129). {ECO:0000250 UniProtKB:A5PKW4, ECO:0000269 PubMed:19494129}.
Molecular Weight:	109.7 kDa
UniProt:	<a href="#">Q5DTT2</a>

## 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.
Restrictions:	For Research Use only

## Handling

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