

Datasheet for ABIN7555097
PSD4 Protein (AA 1-1056) (His tag)



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Overview

Quantity:	1 mg
Target:	PSD4
Protein Characteristics:	AA 1-1056
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSD4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PSD4 Protein expressed in mammalien cells.
Sequence:	MMGDYRLPDH PQPMEILNLY LGDSLEPHPG ECPRETCSHE DPPEPFEEQT WATDPPEPTR QNVPPWGSGV ELTHLGSWVH QDGLEPCQE Q TRATDPPEST RQDAPPWGSG VELTHLGSPS AQREHRQNTA SPGSPVNSHL PGSPKQNRST STQVFWAGI LQAQMCVLDL EEELEKTEGL KAGLKCCLPT PPVDLPDGTG LHSSPPENED SGEDSSEPEG EGQAWLREGT PDSSPQWGAE EESMFFSNPL FLASPCSENS ASGECFSWGA SDSHAGVRTG PESPATLEPP LPEDTVLWEL ESEPDLDGGA AISGHCTPPF PVPIYKPHSI CWASVAAAEG APAAPPGHGE SEGDRLG PAP SAAPCVDEAL TWESGCVGSD LGPAAHPVQP WASLSPEGWQ RGGPFWPQVT LNSQDRDERE GGHPQESLPC TLAPCPWRSP ASSPEPSSPE SESRGPGRP SPASSQEGSP QLQHHSSGIL PKWTLDASQS SLLETGDGEQ SSLKKKEAGE APKPGEEVKS EGTARPAETG DVQPDHILTS AEHENLRTPM NSSWLPGSPM PQAQSPEEGQ RPPAGDKLAN GVRNNKVAWN LASRLYRLEG FRKSEVAAYL QKNNDFSRAV AEEYLSFFQF GGQSLDRALR SFLQALVLSG ETQERERILY

QFSRRFHHCN PGIFPSVDSV HTLTCAIMLL NTDLHGQNIG KSMSCQEFIT NLNGLRDGGN
FPKELLKALY WSIRSEKLEW AVDEEDTARP EKAQPSLPAG KMSKPFLQLA QDPTVPTYKQ
GILARKMHQD ADGKKTPWGK RGWKMFTLL RGMVLYFLKQ GEDHCLEGES LVGQMVDPEV
GVVHSLATPA THYTKKPHVF QLRTADWRLY LFQAPTAKEM SSWIARINLA AATHSAPFPF
AAVGSQRRFV RPILPVGPAQ SSLEEQRSH ENCLDAAADD LLDLQRNLPE RRGREGREEE
HRLRKEYLEY EKTRYETYVQ LLVARLHCPS DALDLWEEQL GREAGGTREP KLSLKSHSS
PSLHQDEAPT TAKVKRNISE RRTYRKIIPK RNRNQL **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:

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PSD4

Alternative Name:

PSD4 ([PSD4 Products](#))

Background:

PH and SEC7 domain-containing protein 4 (Exchange factor for ADP-ribosylation factor guanine nucleotide factor 6 B) (Exchange factor for ARF6 B) (Pleckstrin homology and SEC7 domain-containing protein 4) (Telomeric of interleukin-1 cluster protein),FUNCTION: Guanine nucleotide

Target Details

exchange factor for ARF6 and ARL14/ARF7. Through ARL14 activation, controls the movement of MHC class II-containing vesicles along the actin cytoskeleton in dendritic cells. Involved in membrane recycling. Interacts with several phosphatidylinositol phosphate species, including phosphatidylinositol 3,4-bisphosphate, phosphatidylinositol 3,5-bisphosphate and phosphatidylinositol 4,5-bisphosphate. {ECO:0000269|PubMed:12082148, ECO:0000269|PubMed:21458045}.

Molecular Weight: 116.2 kDa

UniProt: [Q8NDX1](#)

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