

Datasheet for ABIN7554962
LPPR4 Protein (AA 1-763) (His tag)



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Overview

Quantity:	1 mg
Target:	LPPR4
Protein Characteristics:	AA 1-763
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LPPR4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PLPPR4 Protein expressed in mammalian cells.
Sequence:	<p>MQRAGSSGGR GECDISGAGR LGLEEAARLS CAVHTSPGGG RRPQAAGMS AKERPKGKVI KDSVTLLPCF YFVELPILAS SVVSLYFLEL TDVFKPVHSG FSCYDRSLSM PYIEPTQEI PFLMLLSLAF AGPAITIMVG EGILYCCLSK RRNGVGLEPN INAGGCNFNS FLRRAVRFVG VHVFGLCSTA LITDIIQLST GYQAPYFLTV CKPNYTSLSNV SCKENSYIVE DICSGSDLTV INSGRKSFPS QHATLAFAA VYVSMYFNST LTDSKLLKP LLVFTFIICG IICGLTRITQ YKNHPVDVYC GFLIGGGIAL YLGLYAVGNF LPSDESMFQH RDALRSLTDL NQDPNRLLSA KNGSSSDGIA HTEGILNRNH RDASSLTNLK RANADVEIIT PRSPMGKENM VTFSNTLPRA NTPSVEDPVR RNASIHASMD SARSKLLTQ WKNKNESRKL SLQVIEPEPG QSPRSIEMR SSSEPSRVGV NGDHHGPGNQ YLKIQPGAVP GCNNSMPGGP RVSQSRPGS SQLVHIPEET QENISTSPKS SSARAKWLKA AEKTVACNRS NSQPRIMQVI AMSKQQGVLQ SSPKNTEGST VSCTGSIRYK TLTDHEPSGI VRVEAHPENN RPIIQIPSTE GEGSGSWKWK APEKGLRQT YELNDLNRDS ESCESLKDSF GSGDRKRSNI DSNEHHHHGI TTIRVTPVEG SEIGSETLSI</p>

Product Details

SSRDSTLRR KGNILIPER SNSPENTRNI FYKGTSPTRA YKD **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.**

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.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: LPPR4

Alternative Name: PLPPR4 ([LPPR4 Products](#))

Background: Phospholipid phosphatase-related protein type 4 (Brain-specific phosphatidic acid phosphatase-like protein 1) (Inactive 2-lysophosphatidate phosphatase PLPPR4) (Lipid phosphate phosphatase-related protein type 4) (Plasticity-related gene 1 protein) (PRG-1),FUNCTION: Postsynaptic density membrane protein that indirectly regulates glutamatergic synaptic transmission through lysophosphatidic acid (LPA)-mediated signaling pathways. Binds lysophosphatidic acid (LPA) and mediates its internalization into cells. Could act as receptor or a transporter of this lipid at the post-synaptic membrane (By similarity). Modulates

Target Details

lysophosphatidic acid (LPA) activity in neuron axonal outgrowth during development by attenuating phospholipid-induced axon collapse (By similarity).
{ECO:0000250|UniProtKB:Q7TMB7, ECO:0000250|UniProtKB:Q7TME0}.

Molecular Weight: 83.0 kDa

UniProt: [Q7Z2D5](#)

Application Details

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

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