

Datasheet for ABIN7558210
LPPR4 Protein (AA 1-766) (His tag)



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Overview

Quantity:	1 mg
Target:	LPPR4
Protein Characteristics:	AA 1-766
Origin:	Mouse
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>MQRAGSSGAR GECDISGAGR LRLEQAARLG GRTVHTSPGG GLGARQAAGM SAKERPKGKV IKDSVTLIPC FYFVELPILA SSVVSLYFLE LTDVFKPVHS GFSCYDRSLS MPYIEPTQEA IPFLMLLSLA FAGPAITIMV GEGILYCCLS KRRNGAGLEP NINAGGCNFN SFLRRAVRFV GVHVFGLCST ALITDIIQLS TGYQAPYFLT VCKPNYTSLN VSCKENSIYV EDICSGSDLT VINSGRKSFP SQHATLAAFA AVYVSMYFNS TLTDSKLLK PLLVFTFIIC GIICGLTRIT QYKNHPVDVY CGFLIGGGIA LYLGLYAVGN FLPSEDSMLQ HRDALRSLTD LNQDPSRVLS AKNGSSGDGI AHTEGILNRN HRDASSLTNL KRANADVEII TPRSPMGKES MVTFSENTLPR ANTPSVEDPV RRNASIHASM DSARSKQLLT QWKSKNESRK MSLQVMDTEP EGQSPPRSIE MRSSEPSRV GVNGDHHVPG NQYLKIQPGT VPGCNNSMPG GPRVSIQSRP GSSQLVHIPE ETQENISTSP KSSSARAKWL KAAEKTVACN RSNNQPRIMQ VIAMSKQQGV LQSSPKNAEG STVTCTGSIR YKTLTDHEPS GIVRVEAHPE NNRPIIQIPS STEGEGSGSW KWKAPEKSSL RQTYELNDLN RSESCESLK DSFGSGDRKR SNIDSNEHHH HGITTIRVTP VEGSEIGSET</p>

Product Details

LSVSSSRDST LRRKGNIL I PERSNSPENT RNIFYKGTSP TRAYKD **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 (PubMed:19766573). Binds lysophosphatidic acid (LPA) and mediates its internalization into cells (PubMed:26671989). Could act as receptor or a transporter of this lipid at the post-

Target Details

synaptic membrane (PubMed:19766573, PubMed:26671989). Modulates lysophosphatidic acid (LPA) activity in neuron axonal outgrowth during development by attenuating phospholipid-induced axon collapse (By similarity). {ECO:0000250|UniProtKB:Q7TME0, ECO:0000269|PubMed:19766573, ECO:0000269|PubMed:26671989}.

Molecular Weight: 83.3 kDa

UniProt: [Q7TME0](#)

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