

Datasheet for ABIN7558740

LPAR4 Protein (AA 1-370) (His tag)



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Overview

Quantity:	1 mg
Target:	LPAR4
Protein Characteristics:	AA 1-370
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LPAR4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Lpar4 Protein expressed in mammalian cells.
Sequence:	<p>MGDRRFIDFQ FQDLNSSLRP RLGNATANNT CIVDDSFKYN LNGAVYSVVF ILGLITNSAS</p> <p>LFVFCFRMKM RSETAIFITN LALSDLLFVC TLPFKIFYNF NRHWPFGDTL CKISGTAFLT</p> <p>NIYGSMFLFT CISVDRFLAI VYPFRSRTIR TRRNSAIVCA GWWILVLSGG ISASLFSTTN</p> <p>VNNATTTCTFE GFSKRWWKTY LSKITIFIEV VGFIPLILN VSCSSVVLRT LRKPATLSQI</p> <p>GTNKKKVLKM ITVHMAVFVW CFVPYNSVLF LYALVRSQAI TNCLLERFAK IMYPITLCLA</p> <p>TLNCCFDPFI YYFTLESFQK SFYINTHIRM ESLFKTETPL TPKPSLPAIQ EEVSDQTTNN</p> <p>GGELMLESTF 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.</p>
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:

Product Details

- 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:	LPAR4
Alternative Name:	Lpar4 (LPAR4 Products)
Background:	Lysophosphatidic acid receptor 4 (LPA receptor 4) (LPA-4) (G-protein coupled receptor 23) (P2Y purinoceptor 9) (P2Y9) (Purinergic receptor 9),FUNCTION: Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. Transduces a signal by increasing the intracellular calcium ions and by stimulating adenylyl cyclase activity. The rank order of potency for agonists of this receptor is 1-oleoyl- > 1-stearoyl- > 1-palmitoyl- > 1-myristoyl- > 1-alkyl- > 1-alkenyl-LPA (By similarity). {ECO:0000250}.
Molecular Weight:	41.9 kDa
UniProt:	Q8BLG2

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