

Datasheet for ABIN7564808

S1PR5 Protein (AA 1-400) (His tag)



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Overview

Quantity:	1 mg
Target:	S1PR5
Protein Characteristics:	AA 1-400
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This S1PR5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant S1pr5 Protein expressed in mammalian cells.
Sequence:	<p>MEPGLLRPAP VSEVIVLHYN YTGKLRGARY QPGAGLRADA AVCLAVCAFI VLENLAVLLV LVRHPRFHAP MFLLLGSLTL SDLLAGAAYA TNILLSGPLT LRLSPALWFA REGGVFVALA ASVLSLLAIA LERHMTMARR GPAPAASRAR TLAMAVAAWG ASLLLGLLPA LGWNCLGRLE TCSTVLPLYA KAYVLCVLA FLGILAAICA LYARIYCQVR ANARRLRAGP GSRRATSSSR SRHTPRSLAL LRTL SVVLLA FVACWGPLFL LLLLDVACPA RACPVLLQAD PFLGLAMANS LLNPIIYTFT NRDLRHALLR LLCCGRGPCN QDSSNSLQRS PSAAGPSGGG LRRCLPPTLD RSSSPSEHLS PQQDGVDTSC STGSPGVATA NRSLVPTATD 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.

Product Details

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:

S1PR5

Alternative Name:

S1pr5 ([S1PR5 Products](#))

Background:

Sphingosine 1-phosphate receptor 5 (S1P receptor 5) (S1P5) (Endothelial differentiation G-protein-coupled receptor 8) (Lysophospholipid receptor B4) (Sphingosine 1-phosphate receptor Edg-8) (S1P receptor Edg-8),FUNCTION: Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. Is coupled to both the G(i/o)alpha and G(12) subclass of heteromeric G-proteins (By similarity). S1P activation on oligodendroglial cells modulates two distinct functional pathways mediating either process retraction or cell survival. S1P activation on O4-positive pre-oligodendrocytes induces process retraction via a Rho kinase/collapsin response-mediated protein signaling pathway. The S1P-induced survival of mature oligodendrocytes is mediated through a pertussis toxin-sensitive, Akt-dependent pathway. S1P activation on oligodendroglial cells modulates two distinct functional pathways mediating either process retraction or cell survival. These effects depend on the developmental stage of the cell. {ECO:0000250, ECO:0000269|PubMed:15703400}.

Target Details

Molecular Weight: 42.3 kDa

UniProt: [Q91X56](#)

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