

Datasheet for ABIN7545894

## S1PR2 Protein (AA 1-353) (His tag)



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### Overview

Quantity:	1 mg
Target:	S1PR2
Protein Characteristics:	AA 1-353
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This S1PR2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant S1PR2 Protein expressed in mammalian cells.
Sequence:	<p>MGSLYSEYLN PNKVQEHYNY TKETLETQET TSRQVASAFI VILCCAIVVE NLLVLIAR</p> <p>NSKFHSAMYL FLGNLAASDL LAGVAFVANT LLSGSVTLRL TPVQWFAREG SAFITLSASV</p> <p>FSLLAIAIER HVAIAKVLY GSDKSCRMILL LIGASWLISL VLGGLPILGW NCLGHLEACS</p> <p>TVLPLYAKHY VLCVVTIFSI ILLAIVALYV RIYCVVRSSH ADMAAPQTLA LLKTVTIVLG</p> <p>VFIVCWLPAP SILLLDYACP VHSCPILYKA HYFFAVSTLN SLLNPVIYTW RSRDLRREVL</p> <p>RPLQCWRPGV GVQGRRRGGT PGHLLPLRS SSSLERGMHM PTSPTFLEGN TVV <b>Sequence</b></p> <p><b>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.</b></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:	S1PR2
Alternative Name:	S1PR2 ( <a href="#">S1PR2 Products</a> )
Background:	<p>Sphingosine 1-phosphate receptor 2 (S1P receptor 2) (S1P2) (Endothelial differentiation G-protein coupled receptor 5) (Sphingosine 1-phosphate receptor Edg-5) (S1P receptor Edg-5),FUNCTION: Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P) (PubMed:10617617). S1P is a bioactive lysophospholipid that elicits diverse physiological effects on most types of cells and tissues (PubMed:10617617). When expressed in rat HTC4 hepatoma cells, is capable of mediating S1P-induced cell proliferation and suppression of apoptosis (PubMed:10617617). Receptor for the chemokine-like protein FAM19A5 (PubMed:29453251). Mediates the inhibitory effect of FAM19A5 on vascular smooth muscle cell proliferation and migration (By similarity). {ECO:0000250 UniProtKB:P47752, ECO:0000269 PubMed:10617617, ECO:0000269 PubMed:29453251}.</p>
Molecular Weight:	38.9 kDa
UniProt:	<a href="#">O95136</a>
Pathways:	<a href="#">Synaptic Membrane</a>

## 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