

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	S1PR1
Synonyms	CD363, CHEDG1, D1S3362, ECGF1, EDG-1, EDG1, S1P1
Description	Human S1PR1 full length protein-synthetic nanodisc
Uniprot ID	P21453
Protein Families	GPCR, Transmembrane, Druggable Genome,
Protein Pathways	GPCRDB Other, S1P Signaling, Small ligand GPCRs, Angiogenesis, Angiogenesis, G-Protein Coupled Receptors Signaling Pathway,
Molecular Weight	The human full length S1PR1 protein has a MW of 42.8kDa
Delivery	6~8weeks
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
Usage	Research use only
Conjugate	Unconjugated

