PRODUCT INFORMATION

Target	S1PR5
Synonyms	EDG8; S1P5; Edg-8; SPPR-1; SPPR-2
Description	Recombinant human S1PR5 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9H228
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	S1PR5(Met1-Asp39) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 30.4 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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 lysosphingolipid sphingosine 1-phosphate (S1P) regulates cell proliferation, apoptosis, motility, and neurite retraction. Its actions may be both intracellular as a second messenger and extracellular as a receptor ligand. S1P and the structurally related lysolipid mediator lysophosphatidic acid (LPA) signal cells through a set of G protein-coupled receptors known as EDG receptors. Some EDG receptors (e.g., EDG1; MIM 601974) are S1P receptors; others (e.g., EDG2; MIM 602282) are LPA receptors.[supplied by OMIM, Mar 2008]
Usage	Research use only
Conjugate	Unconjugated

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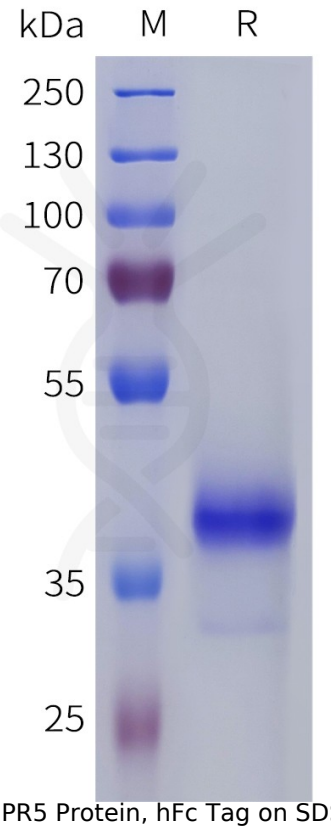


Figure 1. Human S1PR5 Protein, hFc Tag on SDS-PAGE under reducing condition.

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