

PRODUCT INFORMATION

C-Flag Tag Tag S1PR5 **Target**

Synonyms EDG8, Edg-8, S1P5, SPPR-1, SPPR-2

Human S1PR5 full length protein-synthetic **Description**

nanodisc **Delivery** 6~8weeks **Uniprot ID** Q9H228 **Expression Host HEK293**

Protein Families GPCR, Transmembrane, Druggable Genome,

Protein Pathways S1P Signaling,

The human full length S1PR5 protein has a MW of **Molecular Weight**

41.8kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before Formulation & Reconstitution lyophilization. Please see Certificate of Analysis

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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

Background

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

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OMIM, Mar 2008]

Usage Research use only

Conjugate Unconjugated

