

## HDFP450

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### Product Information

|                     |         |                         |            |              |      |
|---------------------|---------|-------------------------|------------|--------------|------|
| <b>Product SKU:</b> | HDFP450 | <b>Expression Host:</b> | HEK293     | <b>Size:</b> | 10µg |
| <b>Target:</b>      | S1PR1   | <b>Tag:</b>             | C-Flag Tag |              |      |

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### Additional Information

|                          |   |                    |        |
|--------------------------|---|--------------------|--------|
| <b>Conjugate:</b>        | Unconjugated  | <b>Uniprot ID:</b> | P21453 |
| <b>Molecular Weight:</b> | The human full length S1PR1 protein has a MW of 42.8kDa |                    |        |

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### Protein Information

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|-----------------------------|---|
| <b>Background:</b>          | 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] |
| <b>Synonyms:</b>            | CD363, CHEDG1, D1S3362, ECGF1, EDG-1, EDG1, S1P1  |
| <b>Protein Description:</b> | Human S1PR1 full length protein-synthetic nanodisc  |
| <b>Formulation:</b>         | 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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.  |
| <b>Protein Pathways:</b>    | GPCRDB Other, S1P Signaling, Small ligand GPCRs, Angiogenesis, Angiogenesis, G-Protein Coupled Receptors Signaling Pathway.   |
| <b>Protein Families:</b>    | GPCR, Transmembrane, Druggable Genome.  |
| <b>Usage:</b>               | Research use only   |

**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.

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