

S1PR2 Protein, Rat (Cell-Free, His)

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| Cat. No.: | HY-P702426 |
| Synonyms: | Sphingosine 1-phosphate receptor 2; AGR16; Endothelial differentiation G-protein coupled receptor 5; G-protein coupled receptor H218; Sphingosine 1-phosphate receptor Edg-5; S1P receptor Edg-5 |
| Species: | Rat |
| Source: | E. coli Cell-free |
| Accession: | P47752 (M1-V352) |
| Gene ID: | 29415 |
| Molecular Weight: | 41.6 kDa |

PROPERTIES

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| AA Sequence | <pre> M G G L Y S E Y L N P E K V Q E H Y N Y T K E T L D M Q E T P S R K V A S A F I I I L C C A I V V E N L L V L I A V A R N S K F H S A M Y L F L G N L A A S D L L A G V A F V A N T L L S G P V T L S L T P L Q W F A R E G S A F I T L S A S V F S L L A I A I E R Q V A I A K V K L Y G S D K S C R M L M L I G A S W L I S L I L G G L P I L G W N C L D H L E A C S T V L P L Y A K H Y V L C V V T I F S V I L L A I V A L Y V R I Y F V V R S S H A D V A G P Q T L A L L K T V T I V L G V F I I C W L P A F S I L L L D S T C P V R A C P V L Y K A H Y F F A F A T L N S L L N P V I Y T W R S R D L R R E V L R P L L C W R Q G K G A T G R R G G N P G H R L L P L R S S S S L E R G L H M P T S P T F L E G N T V V </pre> |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | The S1PR2 Protein serves as a receptor for the lysosphingolipid sphingosine 1-phosphate (S1P), a bioactive |
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lysophospholipid that induces diverse physiological effects in various cell types and tissues. Additionally, S1PR2 functions as a receptor for the chemokine-like protein FAM19A5, mediating the inhibitory impact of FAM19A5 on vascular smooth muscle cell proliferation and migration.

Caution: Product has not been fully validated for medical applications. For research use only.

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