

Recombinant Rat S1PR2 Protein Product Manual

1. Product Basic Information

Product No.: REP08151

Protein Name: Ctd-2369P2.S1P Receptor S1P Receptor Edg5 (S1PR2)

Aliases: EDG5; H218; LPB2; S1P2; AGR16; EDG-DFNB68; Gpcr13; CTD-2369P2.S1P receptor S1P receptor EDG5; S1P receptor Edg-deafness, autosomal recessive 68

UniProt ID: O95136

UniProt Link: <https://www.uniprot.org/uniprotkb/O95136/entry>

Species Source: Rattus norvegicus (Rat)

Expression System: Mammalian cell

Protein Length: Full Length (1-352aa)

Molecular Weight: 40.4 kDa

Protein Tag: C-terminal 10xHis-tagged(This tag can be tested only under denaturing conditions)

2. Amino Acid Sequence (1-352aa)

MGGLYSEYLNPEKVVQEHYNYTKETLDMQETPSRKVASAFIILCCAIVVENLLVLIAVA
RNSKFHSAMYLFLGNLAASDLLAGVAFVANTLLSGPVTLSTPLQWFAREGSAFITL
SASVFSLLAIAIERQVAIAKVKLYGSDKSCRMLMLIGASWLISLILGGLPILGWNCLDH
LEACSTVLPLYAKHYVLCVVTIFSVILLAIVALYVRIYFVVRSSHADVAGPQTLALLKTV
TIVLGVFIICWLPAFSILLLDSTCPVRACPVLYKAHYFFAFATLNSLLNPVIYTWRSRDL
RREVLRLPLLCWRQKGKATGRRGGNPGHRLPLRSSSSSLERGLHMPTSPTFLEGNT
VV

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Rat S1PR2 full length protein (1-352aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. S1PR2, also known as EDG5 or H218 or LPB2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.