

## Recombinant Human GOSR2, His-tagged

Cat. No. GOSR2-7567H Lot. No. (See product label)

### SPECIFICATION

|                            |  |
|----------------------------|--|
| <b>Product Overview</b>    | Recombinant human GOSR2 protein, fused to His-tag at N-terminus, was expressed in E.coli.  |
| <b>Species</b>             | Human  |
| <b>Source</b>              | E.coli   |
| <b>ProteinLength</b>       | 1-190aa  |
| <b>Antigen Description</b> | Golgi SNAP receptor complex member 2 isoform A, also known as GOSR2, belongs to the SNARE protein family and are important trafficking proteins between the endoplasmic reticulum and the Golgi and between Golgi subcompartments. This protein exists as cytoplasmically oriented integral membrane proteins. The human GOSR2 gene, which maps to chromosome 17q21, is located near a locus implicated in familial essential hypertension, indicating that it is a potential candidate gene for this disease. |
| <b>Form</b>                | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol  |
| <b>Molecular Mass</b>      | 24.6 kDa (213aa)   |
| <b>AA Sequence</b>         | MGSSHHHHHH SSGLVPRGSH MGSMDFLFQQ THKQVHEIQS CMGRLETADK<br>QSVHIVENEI QASIDQIFSR LERLEILSSK EPPNKRQNR LRVDQLKYDV<br>QHLQTALRNF QHRRHAREQQ ERQRELLSR TFFTNDSDTT IPMDESLQFN<br>SSLQKVHNGM DDLILDGHNI LDGLRTQRLT LKGTQKKILD IANMLGLSNT   |

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|                            |  |
|----------------------------|--|
|                            | VMRLIEKRAF QDK   |
| <b>Purity</b>              | >85% as determined by SDS - PAGE   |
| <b>Applications</b>        | SDS-PAGE   |
| <b>Storage</b>             | Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b>       | 0.25 mg/ml   |
| <b>GENE INFORMATION</b>    |  |
| <b>Gene Name</b>           | GOSR2 golgi SNAP receptor complex member 2 [ Homo sapiens ]  |
| <b>Official Symbol</b>     | GOSR2  |
| <b>Synonyms</b>            | GOSR2; golgi SNAP receptor complex member 2; Golgi SNAP receptor complex member 2; Bos1; GS27; membrin; 27 kDa Golgi SNARE protein; EPM6;            |
| <b>Gene ID</b>             | 9570   |
| <b>mRNA Refseq</b>         | NM_001012511   |
| <b>Protein Refseq</b>      | NP_001012529   |
| <b>MIM</b>                 | 604027   |
| <b>UniProt ID</b>          | O14653   |
| <b>Chromosome Location</b> | 17q21  |

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**Pathway**

Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Arf1 pathway, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; SNARE interactions in vesicular transport, organism-specific biosystem; SNARE interactions in vesicular transport, conserved biosystem;

**Function**

receptor activity; transporter activity;

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