

# Recombinant human GOSR2 protein

Catalog Number: ATGP2011

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-190aa

### UniProt No.

O14653

### NCBI Accession No.

NP\_004278

### Alternative Names

Golgi SNAP receptor complex member 2 isoform A, Bos1, EPM6, GS27, Membrin

## PRODUCT SPECIFICATION

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### Molecular Weight

24.6 kDa (213aa)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1M urea, 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

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. Recombinant human GOSR2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMDFLFQQ THKQVHEIQS CMGRLETADK QSVHIVENEI QASIDQIFSR LERLEILSSK  
EPPNKRQNR LRVDQLKYDV QHLQTALRNF QHRRHAREQQ ERQREELLSR TFFTNDSDTT IPMDESLQFN SSLQKVHNGM  
DDLILDGHNI LDGLRTQRLT LKGTQKKILD IANMLGLSNT VMRLIEKRAF QDK

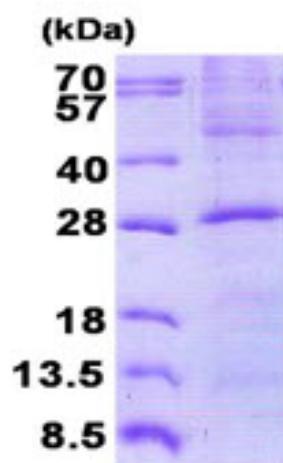
## General References

Bui T D., et al. (1999) Genomics. 57:285-288.  
Gmachl M J., et al. (2001) J Biol Chem. 276:18178-18184.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)