

# Recombinant human GORASP2 protein

Catalog Number: ATGP2973

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-452aa

### UniProt No.

Q9H8Y8

### NCBI Accession No.

NP\_056345.3

### Alternative Names

Golgi reassembly-stacking protein 2 isoform 1, Golgi reassembly-stacking protein 2, isoform 1, GOLPH6, GRASP55, GRS2, p59

## PRODUCT SPECIFICATION

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### Molecular Weight

49.5 Da (475aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4)

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### 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

GORASP2 also known as golgi reassembly-stacking protein 2 plays a role in the assembly and membrane stacking of the Golgi cisternae, and in the process by which Golgi stacks reform after mitotic breakdown. It may regulate the intracellular transport and presentation of a defined set of transmembrane proteins, such as transmembrane TGFA. Recombinant human GORASP2, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MGSSQSV EIPGGGTEGY HVLRVQENSP GHRAGLEPFF DFIVSINGSR  
LNKDNDTLKD LLKANVEKPV KMLIYSSKTL ELRETSVTPS NLWGGQQLLG VSIRFCSFDG ANENVWHVLE VESNSPAALA  
GLRPHSDYII GADTVMNESE DLFLIETHE AKPLKLYVYN TDTDNCREVI ITPNSAWGGE GSLGCGIGYG YLHRIPTPRF  
EEGKKISLPG QMAGTPITPL KDGFEVQLS SVNPPSLSP GTTGIEQSLT GLSISSTPPA VSSVLSTGVP TVPLLPPQVN  
QSLTSVPPMN PATTLPGLMP LPAGLPNLPN LNLNLPAPHI MPGVGLPELV NPGLPPLPSM PPRNLPGIAP LPLPSEFLPS  
FPLVPESSA ASSGELLSSL PPTSNA PSDP ATTTAKADAA SSLTVDVTPP TAKAPTTVED RVGDSTPVSE KPVSAAVDAN  
ASESP

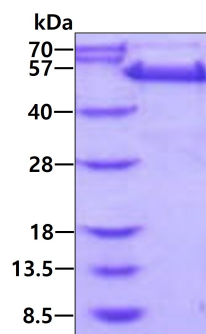
## General References

Kuo A. et al. (2000) EMBO J. 19:6427-6439.

Truschel S.T. et al. (2011) J. Biol. Chem. 286:20125-20129.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.