

Recombinant human GORASP2 protein

Catalog Number: ATGP2973

PRODUCT INFORMATION

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

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

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

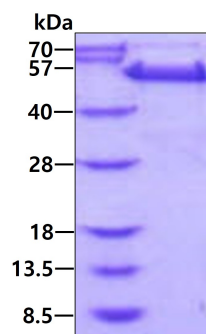
General References

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 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.