

Recombinant human GOLM1 protein

Catalog Number: ATGP2430

PRODUCT INFORMATION

Expression system

E.coli

Domain

36-401aa

UniProt No.

Q8NBJ4

NCBI Accession No.

NP_808800

Alternative Names

Golgi membrane protein 1, bA379P1.3, C9orf155, GOLPH2, GP73, PSEC0257

PRODUCT SPECIFICATION

Molecular Weight

44 kDa (389aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

Purity

> 85% 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

Golgi membrane protein 1, also known as GOLM1, is a type II Golgi transmembrane protein. It processes protein synthesized in the rough endoplasmic reticulum and assists in the transport of protein cargo through the Golgi apparatus. The expression of this encoded protein has been observed to be upregulated in response to viral infection. Furthermore, because GOLM1 is so uniquely regulated in cells, it can be successfully used as a clinically relevant molecular biomarker for cancer. Recombinant human GOLM1 protein, 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

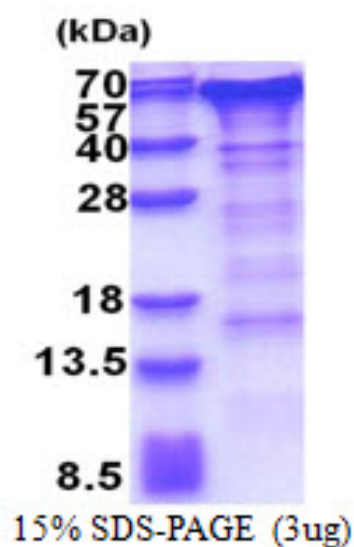
MGSSHHHHHHH SSGLVPRGSH MGSSSRVSDL QTRIMELEGR VRRAAAERGA VELKKNEFQG ELEKQREQLD KIQSSHNFQL
ESVNKLYQDE KAVLVNNTT GERLIRVLQD QLKTLQRNYG RLQQDVLQFQ KNQTNLERKF SYDLSQCINQ MKEVKEQCEE
RIIEVTKKGN EAVASRDLS E NNDQRQLQA LSEPQRLQA AGLPHTVPQ GKGNVLGNSK SQTPAPSSEV VLDSKRQVEK
EETNEIQVVN EEPQRDLRQ EPGREQVVED RPVGGRGFGG AGELGQTPQV QAALSVSQEN PEMEGPERDQ LVIPDGQEEE
QEAAAGEGRNQ QKLRGEDDYN MDENEAES E T DKQAALAGND RNIDVFNVED QKRDTINLLD QREKRNHTL

General References

Kim HJ., et al. (2012) Cell Biosci. 2(1): 31.
Li L., et al. (2012) PLoS One. 7(6): 38939

DATA

SDS-PAGE



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