

GOLM1, 36-401aa, Human, His tag, E.coli

Cat.NO.: TP02302

3th Edition

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

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.

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

Molecular Weight: 44kDa (389aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSSRVLDLQTRIMELEGRVRRAAAERGAVELKKNEFQGELEKQREQLDKIQS
SHNFQLESVNKLYQDEKAVLVNNITTGERLIRVLQDQLKTLQRNYGRLQQDVLQFQKNQTNLERKFSYDLSQCINQ
MKEVKEQCEERIEEVTKKGNEAVASRDLSNNDQRQQQLQALSEPQPRQLQAAGLPHTVEVPQGKGNVLGNSKSQTP
APSSEVVLDSKRQVEKEETNEIQVVNEEPQRDRLPQEPGREQVVEDRPVGGRGFGGAGELGQTPQVQAALSVSQ
ENPEMEGPERDQLVIPDGQEEEQEAAGEGRNQKLRGEDDYNMDENAESETDKQAALAGNDRNIDVFNVEDQK
RDTINLLDQREKRNHTL

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: 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.