Recombinant human GOLM1, His-tagged

Cat. No. GOLM1-2430H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GOLM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	44kDa (389aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSSRSVDL QTRIMELEGR VRRAAAERGA VELKKNEFQG ELEKQREQLD KIQSSHNFQL ESVNKLYQDEKAVLVNNITT GERLIRVLQD QLKTLQRNYG RLQQDVLQFQ KNQTNLERKF SYDLSQCINQ MKEVKEQCEE RIEEVTKKGN EAVASRDLSE NNDQRQQLQA LSEPQPRLQA AGLPHTEVPQ GKGNVLGNSK SQTPAPSSEV VLDSKRQVEK EETNEIQVVN

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	EEPQRDRLPQ EPGREQVVEDRPVGGRGFGG AGELGQTPQV QAALSVSQEN PEMEGPERDQ LVIPDGQEEE QEAAGEGRNQ QKLRGEDDYN MDENEAESET DKQAALAGND RNIDVFNVED QKRDTINLLD QREKRNHTL
Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	GOLM1 golgi membrane protein 1 [Homo sapiens]
Official Symbol	GOLM1
Synonyms	GOLM1; golgi membrane protein 1; C9orf155, chromosome 9 open reading frame 155 , golgi phosphoprotein 2 , GOLPH2; Golgi membrane protein 1; bA379P1.3; FLJ23608; GP73; golgi protein, 73-kD; golgi phosphoprotein 2; golgi membrane protein GP73; GOLPH2; C9orf155; PSEC0257; FLJ22634;
Gene ID	51280
mRNA Refseq	NM_016548
Protein Refseq	NP_057632
MIM	606804

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UniProt ID	Q8NBJ4
Chromosome Location	9q21.33

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