

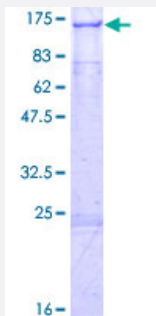
Full-Length

COG1 (Human) Recombinant Protein (P01)

Catalog # H00009382-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human COG1 full-length ORF (NP_061184.1, 1 a.a. - 980 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MATAATSPALKRLDLRDPALFETHGAEIIRGLERQVRAEIEHKKEELRQMVGERYRDLIEAADTI
GQMRRCAVGLVDAVKATDQYCARLRQAGSAAPRPPRAQQPQQPSQEKFYMAAQIKLLLEIPEK
WSSMEASQCLHATQLYLLCCHLHSLQLDSSSSRYSPVLSRFPILIRQVAAASHFRSTILHESKML
LKCQGVSDQAVAEALCSIMLLEESSPRQALTDLLARKATIQKLLNQPHHGAGIKAQICSLVELLAT
TLKQAHALFYTLPEGLLPDPALPCGLLFSTLETITGQHPAGKGTGVLQEEMKLCSWFKHLPASVE
FQPTLRTLAHPISQEYLKDTLQKWIHMCNEDIKNGITNLLMYVKSMKGLAGIRDAMWELLTNESTNH
SWDVLCRRLLEKPLLFWEDMMQQLFLDRLQTLKEGFDSSSSSKELLVSALQELESSTSNSPS
NKHIFEYNMSLFLWSESPNDLPSDAWVSVANRGQFASSGLSMKAQAISPCVQNFCSALDSKL
KVKLDDLLAYLPDSSSLPKDVSPTQAKSSAFDRYADAGTVQEMLRTQSVACIKHIVDCIRAELO
SIEEGVQGGQDALNSAKLHSLVLFMARLCQSLGELCPHLKQCILGKSESSEKPAREFRALRKQK
VKTQEIIPTQAKWQEVKEVLLQQSVMGYQVWSSAVVKVLIHGFTQSLLDDAGSVLATATSWDEL
EIQEEAESGSSVTSKIRLPAQPSWYVQSFLSLCQEIINRVGGHALPKVTLQEMLKSCMVQVVAAY
EKLSEEKQIKKEGAFPTQNRALQLLYDLRYLNLVTAKGDEVKSGRSKPDSRIEKVTDHLEALIDP
FDLDVFTPHLNSNLHRLVQRTSVLFGVLTGTENQLAPRSSTFNSQEPHNILPLASSQIRFGLPLS
MTSTRKAKSTRNIETKAQVPPARSTAGDPTVPGSLFRQLVSEEDNTSAPSLFKLGWLSSMTK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

135.4

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — COG1

Entrez GeneID	9382
GeneBank Accession#	NM_018714.2
Protein Accession#	NP_061184.1
Gene Name	COG1
Gene Alias	CDG2G, DKFZp762L1710, KIAA1381, LDLB
Gene Description	component of oligomeric golgi complex 1
Omim ID	606973 611209
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is one of eight proteins (Cog1-8) which form a Golgi-localized c omplex (COG) required for normal Golgi morphology and function. It is thought that this protein is r equired for steps in the normal medial and trans Golgi-associated processing of glycoconjugates and plays a role in the organization of the Golgi-localized complex. [provided by RefSeq
Other Designations	conserved oligomeric Golgi complex protein 1 low density lipoprotein receptor defect B complem enting