

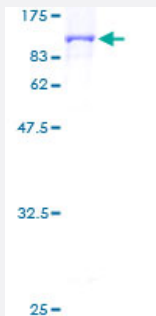
Full-Length

COG7 (Human) Recombinant Protein (P01)

Catalog # H00091949-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human COG7 full-length ORF (AAH37563, 1 a.a. - 770 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDFSKFLADDFDVKEWINAAFRAGSKEAASGKADGHAATLVMKLQLFIQEANHAVEETSHQALQ
NMPKVLRDVEALKQEASFLKEQMILVKEDIKKFEQDTSQSMQVLVEIDQVKSRMQLAAESLQEA
DKWSTLSADIEETFKTQDIAVISAKLTGMQNSLMMLVDTPDYSEKCVHLEALKNRLEALASPQVA
AFTSQAVDQSKVFVKVFTEIDRMPQLLAYYYKCHKVQLLAAWQELCQSDLSLDRQLTGLYDALLG
AWHTQIQWATQVFQKPHEVVMVLLIQTLGALMPSLPSCLSNGVERAGPEQELTRLLEFYDATAHF
AKGLEMALLPHLHEHNLVKVTELVDVYDPYKPYQLKYGDMEESNLLIQMSAVPLEHGEVIDCVQ
ELSHSVNKLFLASAAVDRCVRFTNGLGTCGLLSALKSLFAKYVSDFTSTLQSIRKKCKLDHIPPN
SLFQEDWTAFAQNSIRIATCGELLRHCGDFEQQLANRILSTAGKYLSDSCSPRSLAGFQESILTDKK
NSAKNPWQEYNYLQKDNPAEYASLMEILYTLKEKGSSNHNLLAAPRAALTRLNQQAHQLAFDSVF
LRIKQQLLLISKMDSWNTAGIGETLTDELPAFSLTPLEYISNIGQYIMSLPLNLEPFVTQEDSALELAL
HAGKLPPFPPEQGDELPELDNMADNWLGSIARATMQTYCDAILQIPELSPHSKQLATDIDYLINVM
DALGLQPSRTLQHMTLLKTRPEDYRQVSKGLPRRLATTVATMRSVNY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

110.44

Interspecies Antigen Sequence

Mouse (92); Rat (91)

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 — COG7

Entrez GeneID	91949
GeneBank Accession#	BC037563
Protein Accession#	AAH37563
Gene Name	COG7
Gene Alias	CDG2E
Gene Description	component of oligomeric golgi complex 7
Omim ID	606978 608779
Gene Ontology	Hyperlink
Gene Summary	Multiprotein complexes are key determinants of Golgi apparatus structure and its capacity for intracellular transport and glycoprotein modification. Several complexes have been identified, including the Golgi transport complex (GTC), the LDLC complex, which is involved in glycosylation reactions, and the SEC34 complex, which is involved in vesicular transport. These 3 complexes are identical and have been termed the conserved oligomeric Golgi (COG) complex, which includes COG7 (Ungar et al., 2002 [PubMed 11980916]).[supplied by OMIM]

Other Designations

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