

Full-Length

COG5 (Human) Recombinant Protein (P01)

Catalog # H00010466-P01

Size 50 ug

Specification

Product Description	Human COG5 full-length ORF (ADR82754.1, 1 a.a. - 823 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGWVGRRRDSASPPGRSRSAAADDINPAPANMEGGGGSVAVAGLGARGSGAAAATVRELLQD GCYSDFLNEDFDVKTYTSQSIHQAVIAEQLAKLAQGSQLDRELHLQVVARHEDLLAQATGIESLEG VLQMMQTRIGALQGAVDRIKAKIVEPYNKIVARTACLARLQVACDLLRRIILNLSKRLQGQLQGGS REITKAAQSLNELDYLSSQIDLSGIEVIENDLLFIARARLEVENQAKRLLQGLETONPTQVGTALQV FYNLGLKDTITSVVDGYCATLEENINSALDIKVLTPSQSAVRGGPGRSTMPGNTAALRASLW TNMEKLMDDHIYAVCGQVQHLQKVLAKKRDVPVSHICFIEENVKDGQPEIFYTFWNSVTQALSSQFHM ATNSSMFLKQAFEGEYPKLLRLYNLWKLRLQQYSQHIQGNFNASGTTDLVDLQHMEDDAQDIFIP KKPDYDPEKALKDSLQPYEAAVLSKSLSRFLDPINLVFPPGGRNPPSSDELDTGIIKTIASELNVA DTNLTAVSKNVAKTIQLYSVKSEQLLSTQGDASQVIGPLTEGQRRNAVNVNSLYKLHQSVTKVVS SQSSFPLAAEQTIISALKAIHALMENAVQPLLTSGVDAIEAIIITMHQEDFSGSLSSSGKPDVPCSLY MKELQGFIARVMSDYFKHFECLDFVFDNTEAIAQRAVELFIRHASLIRPLGEGGKMRLAADFQME LAVGPFCCRVSVDLGKSYRMLRSFRPLLFQASEHVASSPALGDVIPFSIIQFLFTRAPAEKSPFQR AEWSHTRFSQWLDDHPSEKDRLLIR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	90.6
Interspecies Antigen Sequence	Mouse (89)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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 — COG5

Entrez GeneID [10466](#)

GeneBank Accession# [HQ258000.1](#)

Protein Accession# [ADR82754.1](#)

Gene Name COG5

Gene Alias GOLTC1, GTC90

Gene Description component of oligomeric golgi complex 5

Omim ID [606821](#)

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 COG5 (Ungar et al., 2002 [PubMed 11980916]).[supplied by OMIM]

Other Designations conserved oligomeric Golgi complex protein 5|golgi transport complex 1 (90 kDa subunit)

Disease

- [Genetic Predisposition to Disease](#)
- [Osteoarthritis](#)