

Recombinant Human COG5 Protein, GST-tagged

Cat. No. COG5-1628H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COG5 full-length ORF (ADR82754.1, 1 a.a. - 823 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is one of eight proteins (Cog1-8) which form a Golgi-localized complex (COG) required for normal Golgi morphology and function. The encoded protein is organized with conserved oligomeric Golgi complex components 6, 7 and 8 into a sub-complex referred to as lobe B. Alternative splicing results in multiple transcript variants. Mutations in this gene result in congenital disorder of glycosylation type 2I.[provided by RefSeq, Jan 2011]
Molecular Mass	90.6 kDa
AA Sequence	MGWVGGRRRDSASPPGRSRSAAADDINPAPANMEGGGGSVAVAGLGARGSGAAA ATVRELLQDGCYSDFLNEDFDVKTYTSQSIHQAVIAEQLAKLAQGISQLDRELHLQVV ARHEDLLAQATGIESLEGVLQMMQTRIGALQGAVDRIKAKIVEPYNKIVARTACLARL QVACDLLRRIIRILNLSKRLQGQLQGGSSREITKAAQSLNELDYLSQGIDLSGIEVIENDL LFIARARLEVENQAKRLLQGLTQNPTQVGTALQVFYNLGLTKDTITSVVDGYCATL EENINSALDIKVLTPSQSAVRGGPGRSTMPGNTAALRASLWTNMEKLMDDHIYAV CGQVQHLQKVLAKKRDVPVSHICFIEEIVKDGQPEIFYTFWNSVTQALSSQFHMATNS SMFLKQAFEGEYPKLLRLYNDLWKRLQQYSQHIQGNFNASGTTDLVVDLQHMEDD

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AQDIFIPKKPDYDPEKALKDSLQPYEAAAYLSKSLSRFPINLVFPPGGRNPPSSDEL
 DGIKTIASELNVAADVDTNLTAVSKNVAKTIQLYSVKSEQLLSTQGDASQVIGPLTEG
 QRRNVAVVNSLYKLHQSVTKVVSSQSSFPLAAEQTIISALKAIHALMENAVQPLLTSV
 GDAIEAIIITMHQEDFSGSLSSSGKPDVPCSLYMKELQGFIARVMSDYFKHFECLDFV
 FDNTEAIAQRAVELFIRHASLIRPLGEGGKMRLAADFAQMELAVGPFCCRVS DLGKS
 YRMLRSFRPLL FQASEHVASSPALGDVIPFSIIIQFLFTRAPAE LKSPFQRAEWSHTRF
 SQWLDDHPSEKDRLLIR

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

COG5 component of oligomeric golgi complex 5 [Homo sapiens]

Official Symbol

COG5

Synonyms

COG5; component of oligomeric golgi complex 5; golgi transport complex 1 (90 kDa subunit) , GOLTC1; conserved oligomeric Golgi complex subunit 5; GTC90; COG complex subunit 5; 13S golgi transport complex 1 90 kDa subunit; conserved oligomeric Golgi complex protein 5; CDG2I; GOLTC1; FLJ41732; FLJ44289;

Gene ID

10466

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mRNA Refseq	NM_001161520
Protein Refseq	NP_001154992
MIM	606821
UniProt ID	Q9UP83

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