

Recombinant Human COG5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COG5-3034H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	COG5 MS Standard C13 and N15-labeled recombinant protein (NP_006339) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	94.7 kDa
AA Sequence	MGWVGGRRRDSASPPGRSRSAAADDINPAPANMEGGGGSVAVAGLGARGSGAAA ATVRELLQDGCYSDFLNEDFDVKTYTSQSIHQAVIAEQLAKLAQGISQLDRELHLQVV ARHEDLLAQTGIESLEGVLQMMQTRIGALQGAVDRIKAKIVEPYNKIVARTACLARL QVACDLLRRIIRILNLSKRLQGQLQGGSREITKAAQSLNELDYLSQGIDLSGIEVIENDL LFIARARLEVENQAKRLLQGLQETQNPTQVGTALQVFYNLGLTKDTITSVVDGYCATL EENINSALDIKVLTPSQSAVRGGPGRSTMPPTGNTAALRASLWTNMEKLMMDHIYAV CGQVQHLQKVLAKKRDVPVSHICFIEEIVKDGQPEIFYTFWNSVTQALSSQFHMATNS

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SMFLKQAFEGEYPKLLRLYNDLWKRLQQYSQHIQGNFNASGTTDLVVDLQHMEDD
 AQDIFIPKKPDYDPEKALKDSLQPYEAAAYLSKSLSRFPINLVFPPGGRNPPSSDEL
 DGIKTIASELNVAADVDTNLTAVSKNVAKTIQLYSVKSEQLLSTQGDASQVIGPLTEG
 QRRNVAVVNSLYKLHQSVTKVSSQSSFPLAAEQTIISALKAIHALMENAVQPLLTSV
 GDAIEAIIITMHQEDFSGSLSSSGKPDVPCSLYMKELQGFIARVMSDYFKHFECLDFV
 FDNTEAIAQRAVELFIRHASLIRPLGEGGKMRLAADFAQME LAVGPFCRRVSDLGKS
 YRMLRSFRPLL FQASEHVASSPALGDVIPFSIIIQFLFTRAPAE LKSPFQRAEWSHTRF
 SQWLDDHPSEKDRLLLIRGALEAYVQSVRSREGKEFAPVYPIMVQLLQKAMSALQT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name COG5 component of oligomeric golgi complex 5 [Homo sapiens (human)]

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;

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Gene ID	10466
mRNA Refseq	NM_006348
Protein Refseq	NP_006339
MIM	606821
UniProt ID	Q9UP83
SDS-PAGE	