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	MGWVGGRRRDSASPPGRSRSAADDINPAPANMEGGGGSVAVAGLGARGSGAAA ATVRELLQDGCYSDFLNEDFDVKTYTSQSIHQAVIAEQLAKLAQGISQLDRELHLQVV ARHEDLLAQATGIESLEGVLQMMQTRIGALQGAVDRIKAKIVEPYNKIVARTAQLARL QVACDLLRRIIRILNLSKRLQGQLQGGSREITKAAQSLNELDYLSQGIDLSGIEVIENDL LFIARARLEVENQAKRLLEQGLETQNPTQVGTALQVFYNLGTLKDTITSVVDGYCATL EENINSALDIKVLTQPSQSAVRGGPGRSTMPTPGNTAALRASLWTNMEKLMDHIYAV CGQVQHLQKVLAKKRDPVSHICFIEEIVKDGQPEIFYTFWNSVTQALSSQFHMATNS

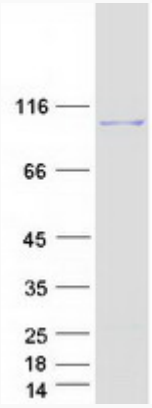
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45-1 Ramsey Road, Shirley, NY 11967, USA

	SMFLKQAFEGEYPKLLRLYNDLWKRLQQYSQHIQGNFNASGTTDLYVDLQHMEDD AQDIFIPKKPDYDPEKALKDSLQPYEAAYLSKSLSRLFDPINLVFPPGGRNPPSSDEL DGIIKTIASELNVAAVDTNLTLAVSKNVAKTIQLYSVKSEQLLSTQGDASQVIGPLTEG QRRNVAVVNSLYKLHQSVTKVVSSQSSFPLAAEQTIISALKAIHALMENAVQPLLTSV GDAIEAIIITMHQEDFSGSLSSSGKPDVPCSLYMKELQGFIARVMSDYFKHFECLDFV FDNTEAIAQRAVELFIRHASLIRPLGEGGKMRLAADFAQMELAVGPFCRRVSDLGKS YRMLRSFRPLLFQASEHVASSPALGDVIPFSIIIQFLFTRAPAELKSPFQRAEWSHTRF 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	

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