

Recombinant Human COG2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COG2-3345H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	COG2 MS Standard C13 and N15-labeled recombinant protein (NP_031383) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a subunit of the conserved oligomeric Golgi complex that is required for maintaining normal structure and activity of the Golgi complex. The encoded protein specifically interacts with the USO1 vesicle docking protein and may be necessary for normal Golgi ribbon formation and trafficking of Golgi enzymes. Mutations of this gene are associated with abnormal glycosylation within the Golgi apparatus. Alternative splicing results in multiple transcript variants.
Molecular Mass	83.2 kDa
AA Sequence	MEKSRMNLPGKPD TLCFDKDEFMKEDFDVDHFVSDCRKRVQLEELRDDLELYYKLL KTAMVELINKDYAD FVNLSTNLVGM D KALNQLSVPLGQLREEVLSLRSSVSEGIRAV DERMSKQEDIRKKKMCVLR LIQVIRSVEKIEKILNSQSSKETSAL EASSPLLTGQILERI ATEFNQLQFHAVQSKGMPLLDKVRPRIAGITAMLQQSLEGLLLEGLQTS DVDIIRHCL RTYATIDKTRDAEALVGQVLVKPYIDEVIEQFVESH P NGLQVMYNKLL E FVPHHCRL LREVTGG AISSEKGNTPGYDFLVNSVWPQIVQGLEEKLP SLFNPGNPDAFHEKYTI SMDFVRRRLERQCGSQASVKRLRAHPAYHSFNKKWNLPVYFQIRFREIAGSLEAALT

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DVLEDAPAESPYCLLASHRTWSSLRRCWSDEMFLPLLHRLWRTLQILARYSVFV
NELSLRPISNESPKEIKKPLVTGSKEPSITQGNTEQSGPSETKPVVISRTQLVYV
VADLDKLQEQLPELLEIIPKLEMIGFKNFSSISAALEDSQSSFSACVPSLSSKIIQDLS
DSCFGFLKSALEVPRLYRRTNKEVPTTASSYVDSALKPLFQLQSGHKDKLKQAIQQ
WLEGTLSESTHKYYETVSDVLNSVKKMEESLKRLKQARKTTTPANPVGPSGGMSDD
DKIRLQLALDVEYLGELQKLGLQASDIKSFSALAELVAAAKDQATAEQPTRTRPLEQ
KLISEEDLAANDILDYKDDDDKV

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 COG2 component of oligomeric golgi complex 2 [Homo sapiens (human)]

Official Symbol COG2

Synonyms COG2; component of oligomeric golgi complex 2; LDLC, low density lipoprotein receptor defect C complementing; conserved oligomeric Golgi complex subunit 2; COG complex subunit 2; conserved oligomeric Golgi complex protein 2; brefeldin A-sensitive, peripheral Golgi protein; low density lipoprotein receptor defect C complementing; low density lipoprotein receptor defect C-complementing protein; LDLC;

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Gene ID	22796
mRNA Refseq	NM_007357
Protein Refseq	NP_031383
MIM	606974
UniProt ID	Q14746
SDS-PAGE	