

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 D VDIIRHCL RTYATIDKTRDAEALVGQVLVKPYIDEVIEQFVESH P NGLQVMYNKLL E FVPHHCRL LREVTGG AISSEKGNTPGYDFLVNSVWPQIVQGLEEKLP SLFNP GNPDAFHEKYTI SMDFVRRLERQCGSQASVKRLRAHPAYHSFNKKWNLPVYFQIRFREIAGSLEAALT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

DVLEDAPAESPYCLLASHRTWSSLRRCWSDEMFLPLLHRLWRTLQILARYSVFV
NELSLRPISNESPKEIKKPLVTGSKEPSITQGNTEQSGPSETKPVVISRTQLVYV
VADLDKLQEQLPELLEIIPKLEMIGFKNFSSISAALEDSQSSFSACVPSLSSKIIQDLS
DSCFGFLKSALEVPRLYRRTNKEVPTTASSYVDSALKPLFQLQSGHKDKLKQAIQQ
WLEGTLSESTHKYYETVSDVLNSVKKMEESLKRLKQARKTTTPANPVGPSGGMSDD
DKIRLQLALDVEYLGEQIQKLGLQASDIKSFSALAELVAAAKDQATAEQPTRTRPLEQ
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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Gene ID 22796

mRNA Refseq NM_007357

Protein Refseq NP_031383

MIM 606974

UniProt ID Q14746

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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