

Recombinant Full Length Human COG2 Protein, GST-tagged

Cat. No. COG2-2080HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COG2 full-length ORF (BAG35559.1, 1 a.a. - 738 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	738 amino acids
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.[provided by RefSeq, Feb 2009]
Molecular Mass	107.58 kDa
AA Sequence	MEKSRMNLPGKPD TLCFDKDEFMKEDFDVDHFVSDCRKRVQLEELRDDLELYYKLL KTAMVELINKDYADFVNLSNVLVGMKDALNQLSVPLGQLREEVLSLRSSVSEGIRAV DERMSKQEDIRKKKMCVLR LIQVIRSV E KIEKILNSQSSKETS ALEASSPLLTGQILERI ATEFNQLQFHAVQSKGMPLLDKVRPRIAGITAMLQQSLEGLLLEGLQTS D VDIIRHCL RTYATIDKTRDAEALVGQVLVKPYIDEV IIEQFVESH P NGLQVMYNKLLEFVPHHCRL LREVTGG AISSEKGNTPGYDFLVNSVWPQIVQGLEEKLP SLFNP GNPDAFHEKYTI

 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

SMDFVRRLERQCGSQASVKRLRAHPAYHSFNKKWNLPVYFQIRFREIAGSLEAALT
 DVLEDAPAESPYCLLASHRTWSSLRRCWSDMFLPLLHRLWRLTLQILARYSVFV
 NELSLRPISNESPKEIKKPLVTGSKEPSITQGNTEDQGSGPSETKPVVSISRTQLVYV
 VADLDKLQEQLPELLEIIPKLEMIGFKNFSSISALEDQSSFSACVPSLSSKIIQDLS
 DSCFGFLKSALEVPRLYRRTNKEVPTTASSYVDSALKPLFQLQSGHKDKLKQAIQQ
 WLEGTLSESTHKYYETVSDVLNSVKKMEESLKRLKQARKTTPANPVGPSGGMSDD
 DKIRLQLALDVEYLGEQIQKLGLQASDIKSFSALAELVAAAKDQATAEQP

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

COG2 component of oligomeric golgi complex 2 [Homo sapiens]

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_001145036
Protein Refseq	NP_001138508
MIM	606974
UniProt ID	Q14746

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