Full-Length

COG2 (Human) Recombinant Protein (P01)

Catalog # H00022796-P01 Size 50 ug

Specification

Product Description	Human COG2 full-length ORF (BAG35559.1, 1 a.a. - 738 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEKSRMNLPKGPDTLCFDKDEFMKEDFDVDHFVSDCRKRVQLEELRDDLELYYKLLKTAMVELI NKDYADFVNLSTNLVGMDKALNQLSVPLGQLREEVLSLRSSVSEGIRAVDERMSKQEDIRKKKM CVLRLIQVIRSVEKIEKILNSQSSKETSALEASSPLLTGQILERIATEFNQLQFHAVQSKGMPLLDKV RPRIAGITAMLQQSLEGLLLEGLQTSDVDIIRHCLRTYATIDKTRDAEALVGQVLVKPYIDEVIIEQFVE SHPNGLQVMYNKLLEFVPHHCRLLREVTGGAISSEKGNTVPGYDFLVNSVWPQIVQGLEEKLPSL FNPGNPDAFHEKYTISMDFVRRLERQCGSQASVKRLRAHPAYHSFNKKWNLPVYFQIRFREIAGS LEAALTDVLEDAPAESPYCLLASHRTWSSLRRCWSDEMFLPLLVHRLWRLTLQILARYSVFVNEL SLRPISNESPKEIKKPLVTGSKEPSITQGNTEDQGSGPSETKPVVSISRTQLVYVVADLDKLQEQL PELLEIIKPKLEMIGFKNFSSISAALEDSQSSFSACVPSLSSKIIQDLSDSCFGFLKSALEVPRLYRR TNKEVPTTASSYVDSALKPLFQLQSGHKDKLKQAIIQQWLEGTLSESTHKYYETVSDVLNSVKKM EESLKRLKQARKTTPANPVGPSGGMSDDDKIRLQLALDVEYLGEQIQKLGLQASDIKSFSALAELV AAAKDQATAEQP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	107.58
Interspecies Antigen Sequence	Mouse (85); Rat (85)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — COG2

Entrez GeneID	22796
GeneBank Accession#	AK312678.1
Protein Accession#	BAG35559.1
Gene Name	COG2
Gene Alias	LDLC
Gene Description	component of oligomeric golgi complex 2
Omim ID	606974
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a subunit of the conserved oligomeric Golgi complex that is required for maint aining normal structure and activity of the Golgi complex. The encoded protein specifically interact s 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 glycosylati on within the Golgi apparatus. Alternative splicing results in multiple transcript variants
Other Designations	OTTHUMP00000035875|brefeldin A-sensitive, peripheral Golgi protein|conserved oligomeric Gol gi complex protein 2|low density lipoprotein receptor defect C complementing|transcript ch4822

Disease

- Alzheimer disease
- Brain Ischemia
- Cardiovascular Diseases
- Coronary Disease

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- Disease Progression
- Disease Susceptibility
- Genetic Predisposition to Disease
- HIV Infections
- Myocardial Infarction
- Stroke

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