

Product datasheet for **TP304855L**

COG2 (NM_007357) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human component of oligomeric golgi complex 2 (COG2), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204855 protein sequence Red =Cloning site Green =Tags(s)

MEKSRMNLPKGPDTLCFDKDEFMKEDFDVDHFVSDCRKRVQLEELRDDLELYYKLLKTAMVELINKDYAD
FVNLSTNLVGMKALNQLSVPLGQLREEVLSLRSSVSEGIRAVDERMSKQEDIRKKKMCVLRLIQVIRSV
EKIEKILNSQSSKETSALASSPLLTGQILERIATEFNQLQFHAVQSKGMPLLDKVRPRIAGITAMLQQS
LEGLLLEGLQTSVDVIRHCLRTYATIDKTRDAEALVGQVLVKPYIDEVIEEQFVESHVNGLQVMYNKLL
EFVPHHCRLREVTGGAISSEKGNTPGYDFLVNSVWPQIVQGLEEKLPFLNPGNPDAFHEKYTISMDF
VRRLERQCGSQASVKRLRAHPAYHSFNKKWNLVYFQIRFREIAGSLEAALTDVLEDAPAESPYCLLASH
RTWSSLRRCWSEMFLLVHRLWRLTLQILARYSVFVNELSLRPISNESPKEIKPLVTGSKEPSITQG
NTEDQGGSPSETKPVVISRTQLVYVADLDKLEQLPELLEIIPKLEMIGFKNFSSISAALEDSQSSF
SACVPSLSSKIIQDLSDFGFLKSALEVPRLYRRTNKEVPTTASSYVDSALKPLFQLQSGHKDKLKQAI
IQQWLEGLSESTHKYYETVSDVLSVKKMEESLRLKQARKTTPANVPGPSGGMSSDDDKIRLQLALDVE
YLGEQIQKLGLQASDIKSFSALAEVAAAKDQATAEQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	83 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_031383
Locus ID:	22796
UniProt ID:	Q14746 , B1ALW7
RefSeq Size:	2977
Cytogenetics:	1q42.2
RefSeq ORF:	2214
Synonyms:	CDG2Q; LDLC
Summary:	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]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified COG2 protein (Cat# [TP304855]). The protein was produced from HEK293T cells transfected with COG2 cDNA clone (Cat# [RC204855]) using MegaTran 2.0 (Cat# [TT210002]).