

## Product datasheet for **TP304855**

### 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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204855 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEKSRMNLPKGPDTLCFDKDEFMKEDFDVDHFVSDCRKRVQLEELRDDLELYKLLKTAMVELINKDYAD  
FVNLSTNLVGMKALNQLSVPLGQLREEVLSLRSSVSEGIRAVDERMSKQEDIRKKKMCVLRLIQVIRSV  
EKIEKILNSQSSKETSALASSPLLTGQILERIATEFNQLQFHAVQSKGMPLLDKVRPRIAGITAMLQQS  
LEGLLLEGLQTSVDVIRHCLRTYATIDKTRDAEALVGQVLVKPYIDEVIEEQFVESHVNGLQVMYNKLL  
EFVPHHCRLREVTGGAISSEKNTVPGYDFLVNSVWPQIVQGLEEKLPFLNPGNPDAFHEKYTISMDF  
VRRLERQCGSQASVKRLRAHPAYHSFNKKWNLVYFQIRFREIAGSLEAALTDVLEDAPAESPYCLLASH  
RTWSSLRRCWSEMFLLVHRLWRLTLQILARYSVFVNELSLRPISNESPKEIKPLVTGSKEPSITQG  
NTEDQGGSPSETKPVVISRTQLVYVADLDKLEQLPELLEIIPKLEMIGFKNFSSISAALEDSQSSF  
SACVPSLSSKIIQDLSDFGFLKSALEVPRLYRRTNKEVPTTASSYVDSALKPLFQLQSGHKDKLQKAI  
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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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_031383</a>
<b>Locus ID:</b>	22796
<b>UniProt ID:</b>	<a href="#">Q14746</a> , <a href="#">B1ALW7</a>
<b>RefSeq Size:</b>	2977
<b>Cytogenetics:</b>	1q42.2
<b>RefSeq ORF:</b>	2214
<b>Synonyms:</b>	CDG2Q; LDLC
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).