

# Recombinant Human COG8 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** COG8-1641H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | COG8 MS Standard C13 and N15-labeled recombinant protein (NP_115758) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | This gene encodes a protein that is a component of the conserved oligomeric Golgi (COG) complex, a multiprotein complex that plays a structural role in the Golgi apparatus, and is involved in intracellular membrane trafficking and glycoprotein modification. Mutations in this gene cause congenital disorder of glycosylation, type IIh, a disease that is characterized by under-glycosylated serum proteins, and whose symptoms include severe psychomotor retardation, failure to thrive, seizures, and dairy and wheat product intolerance. |
| <b>Molecular Mass</b>   | 68.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MATAATIPSVATATAAALGEVEDEGLLASLFRDRFPEAQWRERPDVGRYLRELSGS<br>GLERLRREPERLAEERAQLLQQTRDLAFANYKTFIRGAECTERIHRLFGDVEASLGR<br>LLDRLPSFQQSCRNFVKEAEEISSNRRMNSLTLNRHTEILEILEIPQLMDTCVRNSYY<br>EEALELAAYVRRLERKYSSIPVIQGIVNEVRQSMQLMLSQLIQQLRTNIQLPACLRVIG<br>YLRRMDVFTEAELRVKFLQARDAWLRSILTAPNDDPYFHITKTIEASRVHLFDIITQYR<br>AIFSDDEDPLLPPAMGEHTVNESAIFHGWVLQKVSQFLQVLETDLYRGIGGHLDSSLG                                                                                                                                                                       |

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

QCMYFGLSFSRVGADFRGQLAPVFQRVAISTFQKAIQETVEKFQEEMNSYMLISAPA  
 ILGTSNMPAAVPATQPGTLQPPMVLLDFPPLACFLNNILVAFNDLRLCCPVALAQDVT  
 GALEDALAKVTKIILAFHRAEEAAFSSGEQELFVQFCTVFLEDLVPYLNRLQVLFPF  
 AQIAQTLGIPPTQLSKYGNLGHVNIGAIQEPLAFILPKRETFLTDDQALGPILTAPAP  
 EPPAEEPRLEPAGPACPEGGRAETQAEPPSVGPTRTRPLEQKLISEEDLAANDILDY  
 KDDDDKV

**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** COG8 component of oligomeric golgi complex 8 [ Homo sapiens (human) ]

**Official Symbol** COG8

**Synonyms** COG8; component of oligomeric golgi complex 8; conserved oligomeric Golgi complex subunit 8; DOR1; FLJ22315; dependent on RIC1; COG complex subunit 8; conserved oligomeric golgi complex component 8; CDG2H;

**Gene ID** 84342

**mRNA Refseq** NM\_032382

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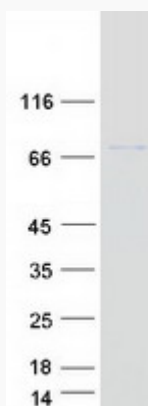
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**Protein Refseq** NP\_115758

**MIM** 606979

**UniProt ID** Q96MW5

**SDS-PAGE**



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