

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

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

SPECIFICATION

Product Overview	COG8 MS Standard C13 and N15-labeled recombinant protein (NP_115758) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	68.4 kDa
AA Sequence	MATAATIPSVATATAAALGEVEDEGLLASLFRDRFPEAQWRERPDVGRYLRELSGS GLERLRREPERLAEERAQLLQQTRDLAFANYKTFIRGAECTERIHRLFGDVEASLGR LLDRLPSFQQSCRNFVKEAEEISSNRRMNSLTlnRHTEILEILEIPQLMDTCVRNSYY EEALELAAYVRRLERKYSSIPVIQGIVNEVRQSMQLMLSQLIQQLRTNIQLPACLRVIG YLRRMDVFTEAELRVKFLQARDAWLRSILTAPNDDPYFHITKTIEASRVHLFDITQYR AIFSDDEDPLLPPAMGEHTVNESAIFHGWVLQKVSQFLQVLETDLYRGIGGHLDSSLG

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QCMYFGLSFSRVGADFRGQLAPVFQQRVAISTFQKAIQETVEKFQEEMNSYMLISAPA
 ILGTSNMPAAVPATQPGTLQPPMVLLDFPPLACFLNNILVAFNDLRLCCPVALAQDVT
 GALEDALAKVTKIILAFHRAEEAAFSSGEQELFVQFCTVFLDLVPYLNRLCLQVLFPP
 AQIAQTLGIPPTQLSKYGNLGHVNIGAIQEPLAFILPKRETFTLDDQALGPILTAPAP
 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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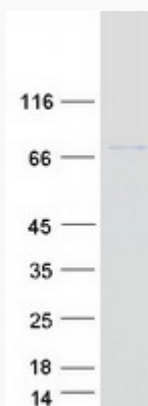
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Protein Refseq NP_115758

MIM 606979

UniProt ID Q96MW5

SDS-PAGE



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