

Recombinant Human COG3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COG3-5842H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	COG3 MS Standard C13 and N15-labeled recombinant protein (NP_113619) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a component of the conserved oligomeric Golgi (COG) complex which is composed of eight different subunits and is required for normal Golgi morphology and localization. Defects in the COG complex result in multiple deficiencies in protein glycosylation. The protein encoded by this gene is involved in ER-Golgi transport.
Molecular Mass	93.9 kDa
AA Sequence	MAEAALLLLPEAAAERDAREKLALWDRRPDTTAPLTDRQTDSVLELKAAAENLPVPA ELPIEDLCSLTSQSLPIELTSVVPESTEDILLKGFTSLGMEEERIETAQQFFSWFAKLQ TQMDQDEGTYRQMRDYLSGFQEQCDAIINDVNSALQHLESLQKQYLFVSNKTGT LHEACEQLLKEQSELVDLAENIQKLSYFNELETINTKLNSPTLSVNSDGFIPMLAKLD DCITYISSHPNFKDYPIYLLKFKQCLSKALHLMKTYTVNTLQTLTSQLLKRDPSVPNA DNAFTLFYVKFRAAAPKVRTLIEQIELRSEKIPEYQQLLNDIHQCYLDQRELLGPSIA CTVAELTSQNNRDHCALVRSGCAFMVHVCQDEHQLYNEFFTKPTSKLDELLEKLCV SLYDVFRPLIIHVIHLETLSLSELCGILKNEVLEDHVQNNAEQLGAFAGAAGVKQMLEDVQE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

RLVYRTHIYIQTDITGYKPAPGDLAYPDKLVMMEQIAQSLKDEQKKVPSEASFSDVHL
 EEGESNSLTKSGSTESLNPRPQTTISPADLHGMWYPTVRRTLVLCLSKLYRCIDRAVF
 QGLSQEALSACIQSLLGASESISKNKTQIDGQLFLIKHLLILREQIAPFHTEFTIKEISLD
 LKKTRDAAFKILNPMTVPRFFRLNSNNALIEFLLEGTPEIREHYLDSKKDVDRHLKSA
 CEQFIQQQTKLFVEQLEEFMTKVSALKTMASQGGPKYTLSQQPWAQPAKVNDLAAT
 AYKTIKTKLPVTLRSMSLYLSNKDTEFILFKPVRNNIQQVFQKFHALLKEEFSPEDIQII
 ACPSMEQLSLLSVSKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 COG3 component of oligomeric golgi complex 3 [Homo sapiens (human)]

Official Symbol COG3

Synonyms COG complex subunit 3; Cog3; COG3_HUMAN; Component of golgi transport complex 3; Component of oligomeric Golgi complex 3; Conserved oligomeric Golgi complex subunit 3; p94; SEC34; SEC34 S. cerevisiae homolog of; Tethering factor SEC34; Vesicle docking protein SEC34 homolog; Vesicle-docking protein SEC34 homolog;

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Gene ID	83548
mRNA Refseq	NM_031431
Protein Refseq	NP_113619
MIM	606975
UniProt ID	Q96JB2
SDS-PAGE	