

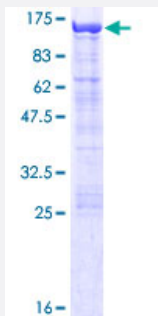
## Full-Length

# COG3 (Human) Recombinant Protein (P01)

Catalog # H00083548-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human COG3 full-length ORF ( NP\_113619.1, 1 a.a. - 828 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MAEAALLLLPEAAAERDAREKLALWDRRPDTTAPLTDRQTDSVLELKAAAENLPVPAELPIEDLC  
SLTSQSLPIELTSVVPESTEDILLKGFTSLGMEEERIETAQQFFSWFAKLQTQMDQDEGTKYRQMR  
DYLSGFQEQCDAILNDVNSALQHLESLQKQYLFVSNKTGTLHEACEQLLKEQSELVDLAENIQKQ  
LSYFNELETINTKLNSTLSVNSDGFIPMLAKLDDCITYISSHPNFKDYPYLLKFKQCLSKALHLMKT  
YTVNTLQTLTSQLLKRDPSSVPNADNAFTLFYVKFRAAAPKVRTLIEQIELRSEKIPEYQQLNDIHQ  
CYLDQRELLGPSIACTVAELTSQNNRDHICALVRSGCAFVHVQCDEHQLYNEFFTCKPTSKLDEL  
LEKLCVSLYDVFRPLIIHVIHLETLSLSELCGILKNEVLEDHVQNNAEQLGAFAGVQMLEDVQERLV  
YRTHMQTDITGYKPAPGDLAYPDKLVMMEQIAQSLKDEQKKVPSEASFSDVHLEEGESNSLTKS  
GSTESLNPRPQTISPADLHGMWYPTVRRTLVCLSKLYRCIDRAVFQGLSQEALSACIQSLLGASE  
SISKNKTQIDGQLFLIKHLLILREQIAPFHTEFTIKEISLDLKKTRDAAFKILNPMTVPRFFRLNSNNALI  
EFLLEGTPEIREHYLDSKKDVDRHLKSACEQFIQQQTKLFVEQLEEFMTKVSALKTMASQGGPKY  
TLSQQPWAQPAKVSDLAATAYKTIKTKLPVTLRSMSLYLSNKDTEFILFKPVRNNIQQVFQKFHALL  
KEEFSPEDIQIACPSMEQLSLLLSVSK

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

120.4

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue.                              |
| Storage Buffer          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| Note                    | Best use within three months from the date of receipt of this protein.   |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — COG3

|                     |                                                                                                                                                                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">83548</a>                                                                                                                                                                                                                                               |
| GeneBank Accession# | <a href="#">NM_031431.2</a>                                                                                                                                                                                                                                         |
| Protein Accession#  | <a href="#">NP_113619.1</a>                                                                                                                                                                                                                                         |
| Gene Name           | COG3                                                                                                                                                                                                                                                                |
| Gene Alias          | SEC34                                                                                                                                                                                                                                                               |
| Gene Description    | component of oligomeric golgi complex 3                                                                                                                                                                                                                             |
| Omim ID             | <a href="#">606975</a>                                                                                                                                                                                                                                              |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                           |
| Gene Summary        | The protein encoded by this gene has similarity to a yeast protein. It seems to be part of a peripheral membrane protein complex localized on cis/medial Golgi cisternae where it may participate in tethering intra-Golgi transport vesicles. [provided by RefSeq] |
| Other Designations  | OTTHUMP00000018352 component of golgi transport complex 3 tethering factor SEC34                                                                                                                                                                                    |

## Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)