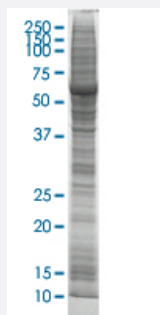


# COG7 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

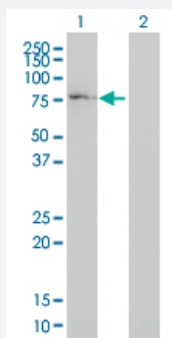
Catalog # L063T6      Size 100 ug

## Applications



### SDS-PAGE Gel

COG7 transfected lysate



### Western Blot

Lane 1: COG7 transfected lysate ( 65 KDa).

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-COG7 full length
Host	Human
Theoretical MW (kDa)	65
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-COG7 antibody ([H00091949-M01](#)) by Western Blots.  
SDS-PAGE Gel  
COG7 transfected lysate  
Western Blot  
Lane 1: COG7 transfected lysate ( 65 KDa).  
Lane 2: Non-transfected lysate.

**Recommend Usage**

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

**Storage Buffer**

In modified RIPA Lysis Buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

## Gene Info — COG7

Entrez GeneID [91949](#)

GeneBank Accession# [BC037563](#)

Protein Accession# [AAH37563](#)

Gene Name COG7

Gene Alias CDG2E

Gene Description component of oligomeric golgi complex 7

Omim ID [606978 608779](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

Multiprotein complexes are key determinants of Golgi apparatus structure and its capacity for intracellular transport and glycoprotein modification. Several complexes have been identified, including the Golgi transport complex (GTC), the LDLC complex, which is involved in glycosylation reactions, and the SEC34 complex, which is involved in vesicular transport. These 3 complexes are identical and have been termed the conserved oligomeric Golgi (COG) complex, which includes COG7 (Ungar et al., 2002 [PubMed 11980916]).[supplied by OMIM]

**Other Designations**

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