

Recombinant Human COPA Protein, GST-tagged

Cat. No. COPA-1691H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COPA partial ORF (NP_004362, 3 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	In eukaryotic cells, protein transport between the endoplasmic reticulum and Golgi compartments is mediated in part by non-clathrin-coated vesicular coat proteins (COPs). Seven coat proteins have been identified, and they represent subunits of a complex known as coatomer. The subunits are designated alpha-COP, beta-COP, beta-prime-COP, gamma-COP, delta-COP, epsilon-COP, and zeta-COP. The alpha-COP, encoded by COPA, shares high sequence similarity with RET1P, the alpha subunit of the coatomer complex in yeast. Also, the N-terminal 25 amino acids of alpha-COP encode the bioactive peptide, xenin, which stimulates exocrine pancreatic secretion and may act as a gastrointestinal hormone. Alternative splicing results in multiple splice forms encoding distinct isoforms. [provided by RefSeq, Jul 2008]
Molecular Mass	36.52 kDa
AA Sequence	TKFETKSARVKGLSFHPKRPWILTSIHNGVIQLWDYRMCTLIDKFDEHDGPVVRGIDF HKQQPLFVSGGDDYKIKVWNYKLRRCLFTLLGHLDYIRTTF
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

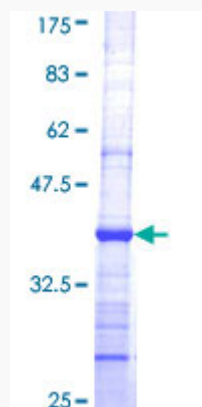
GENE INFORMATION

Gene Name	COPA coatomer protein complex, subunit alpha [Homo sapiens]
Official Symbol	COPA
Synonyms	HEP-COP
Gene ID	1314
mRNA Refseq	NM_004371.3
Protein Refseq	NP_004362.2
MIM	601924
UniProt ID	P53621

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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