Recombinant Human COPB1, His-tagged

Cat. No. COPB1-27477TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 607-953 of Human beta COP with N terminal His tag; MWt 43 kDa.
Species	Human
Source	E.coli
ProteinLength	607-953 a.a.
Description	This gene encodes a protein subunit of the coatomer complex associated with non-clathrin coated vesicles. The coatomer complex, also known as the coat protein complex 1, forms in the cytoplasm and is recruited to the Golgi by activated guanosine triphosphatases. Once at the Golgi membrane, the coatomer complex may assist in the movement of protein and lipid components back to the endoplasmic reticulum. Alternatively spliced transcript variants have been described.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 130 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	DDDVDRISLCLKVLSECSPLMNDIFNKECRQSLSHMLSAK LEEEKLSQKKESEKRNV TVQPDDPISFMQLTAKNEMNC KEDQFQLSLLAAMGNTQRKEAADPLASKLNKVTQL TGF SDPVYAEAYVHVNQYDIVLDVLVVNQTSDTLQNCTLEL ATLGDLKLVEKPSPLT LAPHDFANIKANVKVASTENGIIF GNIVYDVSGAASDRNCVVLSDIHIDIMDYIQPATC TDA EFRQMWAEFEWENKVTVNTNMVDLNDYLQHILKSTNMK CLTPEKALSGYCGF MAANLYARSIFGEDALANVSIEKP IHQGPDAAVTGHIRIRAKSQGMALSLGDKINLSQ KKTS I

GENE INFORMATION

Gene Name	COPB1 coatomer protein complex, subunit beta 1 [Homo sapiens]
Official Symbol	COPB1
Synonyms	COPB1; coatomer protein complex, subunit beta 1; coatomer protein complex, subunit beta , COPB; coatomer subunit beta;
Gene ID	1315
mRNA Refseq	NM_001144061
Protein Refseq	NP_001137533
MIM	600959
Uniprot ID	P53618
Chromosome Location	11p15.2
Pathway	COPI Mediated Transport, organism-specific biosystem; Golgi to ER Retrograde

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	Transport, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;
Function	protein binding; structural molecule activity;

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