Recombinant Human COPB1 293 Cell Lysate

Cat. No. COPB1-7363HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for coatomer protein complex, subunit beta 1 (COPB1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; beta-cop; beta coat protein; beta-coat protein; COPB; FLJ10341; FLJ46444; FLJ57957; DKFZp761K102;
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 Transport, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;

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Function	protein binding; structural molecule activity;

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