

Recombinant Mouse Cope Protein, Myc/DDK-tagged

Cat. No. Cope-2259M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length coatomer protein complex, subunit epsilon (Cope), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. The coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated with ADP-ribosylation factors (ARFs), which are small GTP-binding proteins; the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors.
Molecular Mass	34.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Cope coatomer protein complex, subunit epsilon [Mus musculus (house mouse)]
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Official Symbol	Cope
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Synonyms	COPE; coatomer protein complex, subunit epsilon; coatomer subunit epsilon; epsilon-COP; epsilon-coat protein; nonclathrin coat protein epsilon-COP; Cope1; 1110005D17Rik
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Gene ID	59042
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mRNA Refseq	NM_021538
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Protein Refseq	NP_067513
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UniProt ID	O89079
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