Recombinant Mouse Cavin1 Protein, Myc/DDK-tagged

Cat. No. Cavin1-1973M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length caveolae associated 1 (Cavin1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays an important role in caveolae formation and organization. Essential for the formation of caveolae in all tissues. Core component of the CAVIN complex which is essential for recruitment of the complex to the caveolae in presence of calveolin-1 (CAV1). Essential for normal oligomerization of CAV1. Promotes ribosomal transcriptional activity in response to metabolic challenges in the adipocytes and plays an important role in the formation of the ribosomal transcriptional loop. Dissociates transcription complexes paused by DNA-bound TTF1, thereby releasing both RNA polymerase I and pre-RNA from the template. The caveolae biogenesis pathway is required for the secretion of proteins such as GASK1A.
Molecular Mass	44.4 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Cavin1 caveolae associated 1 [Mus musculus (house mouse)]
Official Symbol	Cavin1
Synonyms	Cavin1; caveolae associated 1; C; Pt; cav; Ptrf; Cavin; Cav-p60; AW546441; 2310075E07Rik; caveolae-associated protein 1; cavin-1; polymerase I and transcript release factor
Gene ID	19285
mRNA Refseq	NM_008986
Protein Refseq	NP_033012
UniProt ID	O54724

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