

Recombinant Full Length Human CAVIN1 Protein, C-Flag-tagged

Cat. No. CAVIN1-1110HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CAVIN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a protein that enables the dissociation of paused ternary polymerase I transcription complexes from the 3' end of pre-rRNA transcripts. This protein regulates rRNA transcription by promoting the dissociation of transcription complexes and the reinitiation of polymerase I on nascent rRNA transcripts. This protein also localizes to caveolae at the plasma membrane and is thought to play a critical role in the formation of caveolae and the stabilization of caveolins. This protein translocates from caveolae to the cytoplasm after insulin stimulation. Caveolae contain truncated forms of this protein and may be the site of phosphorylation-dependent proteolysis. This protein is also thought to modify lipid metabolism and insulin-regulated gene expression. Mutations in this gene result in a disorder characterized by generalized lipodystrophy and muscular dystrophy.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	43.3 kDa
AA Sequence	MEDPTLYIVERPLPGYPDAEAEPEPSSAGAQAEEPSGAGSEELIKSDQVNGVLVLSL

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LDKIIGAVDQIQL TQAQLEERQAEMEGAVQSIQGELSKLGKAHATTSENTVSKLLEKV
 RKVSVNVKTVRGSRLERQAGQIKKLEV NEAELLRRRNFKVMYQDEVKLPKLSISK
 LKESEALPEKEGEELGEGERPEEDAAALESSDEAVEVE EVIEESRAERIKRSGLR
 VDDFKKAFSKEKMEKTKVRTRENLEKTRLKTENLEKTRHTLEKRMNKLGR LVPA
 ERREKLKTSXDKLRKSFTPDHVVYARSKTAVYKVPPFTFHVKKIREGQVEVLKATEM
 VEVGADDDE
 GGAERGEAGDLRRGSSPDVHALLEITEESDAVLVDKSDSDTRTRPLEQKLISEEDLA
 ANDILDYKDDDDKV

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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Full Length	Full L.

GENE INFORMATION

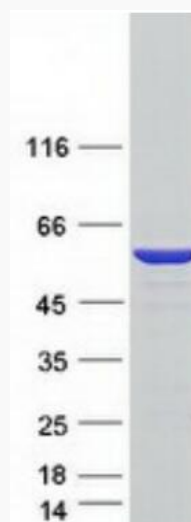
Gene Name	CAVIN1 caveolae associated protein 1 [Homo sapiens (human)]
Official Symbol	CAVIN1

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Synonyms	CGL4; PTRF; CAVIN; FKSG13; cavin-1
Gene ID	284119
mRNA Refseq	NM_012232.6
Protein Refseq	NP_036364.2
MIM	603198
UniProt ID	Q6NZI2



Coomassie blue staining of purified CAVIN1 protein.