

Recombinant Human CAVIN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CAVIN1-3609H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTRF MS Standard C13 and N15-labeled recombinant protein (NP_036364) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	43.3 kDa
AA Sequence	MEDPTLYIVERPLPGYPDAEAEPEPSSAGAQAEEPSGAGSEELIKSDQVNGVLVLSL LDKIIGAVDQIQLTQAQLEERQAEMEGAVQSIQGELSKLGKAHATTSTNTVSKLLEKVR

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KVSVNVKTVRGSRLERQAGQIKKLEVNEAELLRRRNFKVMIYQDEVKLPKLSISKSLK
 ESEALPEKEGEELGEGERPEEDAAALELSSDEAVEVEEVIEESRAERIKRSGLRDVD
 DFKKAFSKEKMEKTKVVRTRENLEKTRLKTENLEKTRHTLEKRMNKLGTRLVPAERR
 EKLKTSXDKLRKSFTPDHVYARSKTAVYKVPFTHVKKIREGQVEVLKATEMVEV
 GADDDEGGAERGEAGDLRRGSSPDVHALLEITEESDAVLVDKSDSDTRTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol CAVIN1

Synonyms CAVIN1; caveolae associated protein 1; CGL4; PTRF; CAVIN; FKSG13; cavin-1; caveolae-associated protein 1; RNA polymerase I and transcript release factor; TTF-I interacting peptide 12; congenital generalized lipodystrophy 4; polymerase I and transcript release factor

Gene ID 284119

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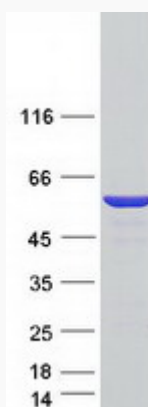
mRNA Refseq NM_012232

Protein Refseq NP_036364

MIM 603198

UniProt ID Q6NZI2

SDS-PAGE



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