

## Product datasheet for PH309277

### CAVIN1 (NM\_012232) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PTRF MS Standard C13 and N15-labeled recombinant protein (NP_036364)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209277
Predicted MW:	43.3 kDa
Protein Sequence:	>RC209277 representing NM_012232 Red=Cloning site Green=Tags(s)  MEDPTLYIVERPLPGYPDAEAPEPSSAGAQAEEPSGAGSEELIKSDQVNGVLVLSLLDKIIGAVDQIQL TQAQLEERQAEMEGAVQSIQGELSKLGKAHATTNTVSKLLEKVRKVSVNVKTVRGSLEKQAGQIKKLEV NEAELLRRRNFKVMIYQDEVKLPKLSISKSLKESEALPEKEGEELGEGERPEEDAAAELSSDEAVEVE EVIEESRAERIKRSLRRVDDFKKAFSKEKMEKTKVRTRENLEKTRLKTKENLEKTRHLEKRMNKLGTR LVAERREKLKTSXDKLRKSFTPDHVVYARSKTAVYKVPPTFFHVKKIREGQVEVLKATEMVEVGADDE GGAERGEAGDLRRGSSPDVHALLEITEESDAVLVDKSDSD  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_036364</a>
RefSeq Size:	3580
RefSeq ORF:	1170
Synonyms:	CAVIN; cavin-1; CGL4; FKSG13; PTRF
Locus ID:	284119



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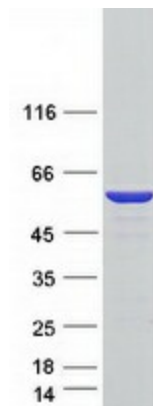
UniProt ID: [Q6NZI2](#)

Cytogenetics: 17q21.2

**Summary:** 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. [provided by RefSeq, Nov 2009]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified CAVIN1 protein (Cat# [TP309277]). The protein was produced from HEK293T cells transfected with CAVIN1 cDNA clone (Cat# [RC209277]) using MegaTran 2.0 (Cat# [TT210002]).