

## Product datasheet for **TP309277L**

### CAVIN1 (NM\_012232) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human polymerase I and transcript release factor (PTRF), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209277 representing NM_012232 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEDPTLYIVERPLPGYPDAEAPEPSSAGAQAEEPSGAGSEELIKSDQVNGVLVLSLLDKIIGAVDQIQL  
TQAQLEERQAEMEGAVQSIQGELSKLGAHATTSTNTVSKLLEKVRKVSNNVKTVRGSLERQAGQIKKLEV  
NEAELLRRRNFKVMYQDEVKLPKLSISKSLKESEALPEKEGEELGEGERPEEDAAALELSSDEAVEVE  
EVIEESRAERIKRSGLRVDDFKKAFSKEKMEKTKVRTRENLEKTRLKTKENLEKTRHTLEKRMNKLGTR  
LVPAERREKLKTSXDKLRKSFTPDHVVYARSKTAVYKVPFPFFHVKKIREGQVEVLKATEMVEVGADDDE  
GGAERGEAGDLRRGSSPDVHALLEITEESDAVLVDKSDSD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	43.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_036364</a>
Locus ID:	284119



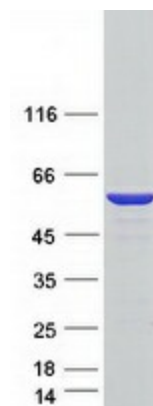
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UniProt ID:	<a href="#">Q6NZI2</a>
RefSeq Size:	3580
Cytogenetics:	17q21.2
RefSeq ORF:	1170
Synonyms:	CAVIN; cavin-1; CGL4; FKSG13; PTRF

**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]).