



PTRF peptide (DAG-P1853)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Nov 2009]
----------------------------	---

Conjugate	Unconjugated
Sequence Similarities	Belongs to the PTRF/SDPR family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PTRF polymerase I and transcript release factor [Homo sapiens (human)]
Official Symbol	PTRF
Synonyms	PTRF; polymerase I and transcript release factor; CGL4; CAVIN; CAVIN1; FKSG13; cavin-1; TTF-I interacting peptide 12; RNA polymerase I and transcript release factor;

Entrez Gene ID	284119
mRNA Refseq	NM_012232.5
Protein Refseq	NP_036364.2
UniProt ID	Q6NZI2
Chromosome Location	17q21.2
Pathway	Gene Expression, organism-specific biosystem; RNA Polymerase I Transcription, organism-specific biosystem; RNA Polymerase I Transcription Termination, organism-specific biosystem; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription, organism-specific biosystem;
Function	poly(A) RNA binding; protein binding; rRNA primary transcript binding;