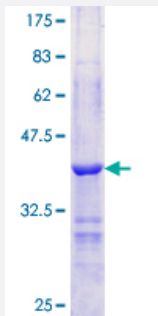


PLIN (Human) Recombinant Protein (Q01)

Catalog # H00005346-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PLIN partial ORF (NP_002657.2, 101 a.a. - 208 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KIPALQYPPEKIASSELKDTISTRRLRSARNSISVPIASTSDKVLGAALAGCELAWGVARDTAEFAANT RAGRLASGGADLALGSIEKVVEYLLPADKEESAPAPGHQQA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.62
Interspecies Antigen Sequence	Mouse (86)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PLIN

Entrez GeneID [5346](#)

GeneBank Accession# [NM_002666](#)

Protein Accession# [NP_002657.2](#)

Gene Name PLIN

Gene Alias PERI

Gene Description perilipin

Omim ID [170290](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene coats lipid storage droplets in adipocytes, thereby protecting them until they can be broken down by hormone-sensitive lipase. The encoded protein is the major cAMP-dependent protein kinase substrate in adipocytes and, when unphosphorylated, may play a role in the inhibition of lipolysis. Alternatively spliced transcript variants varying in the 5' UTR, but encoding the same protein, have been found for this gene. [provided by RefSeq]

Other Designations lipid droplet-associated protein

Pathway

- [PPAR signaling pathway](#)

Disease

- [Anorexia Nervosa](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Stroke](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Weight Loss](#)