

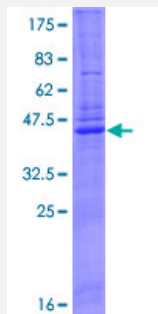
Full-Length

CAV3 (Human) Recombinant Protein (P01)

Catalog # H00000859-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CAV3 full-length ORF (NP_001225.1, 1 a.a. - 151 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MMAEEHTDLEAQVKDIHCKEIDLVRDPKNINEDVKVDFEDVIAEPVGTYSFDGVWKVSYTTFTV SKYWCYRLLSTLLGVPLALLWGFLFACISFCHWAVVPCIKSYLIEICSHIYSLCIRTFCNPLFAALG QVCSSIKVVLKKEV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	43.7
Interspecies Antigen Sequence	Mouse (95); Rat (95)
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 — CAV3

Entrez GeneID [859](#)

GeneBank Accession# [NM_001234.3](#)

Protein Accession# [NP_001225.1](#)

Gene Name CAV3

Gene Alias LGMD1C, LQT9, MGC126100, MGC126101, MGC126129, VIP-21, VIP21

Gene Description caveolin 3

Omim ID [123320](#) [192600](#) [601253](#) [606072](#) [607801](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a caveolin family member, which functions as a component of the caveolae plasma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding proteins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified in this gene lead to interference with protein oligomerization or intra-cellular routing, disrupting caveolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKemia or rippling muscle disease (RMD). Alternative splicing has been identified for this locus, with inclusion or exclusion of a differentially spliced intron. In addition, transcripts utilize multiple polyA sites and contain two potential translation initiation sites. [provided by RefSeq]

Other Designations M-caveolin

Pathway

- [Focal adhesion](#)

Disease

- [Arrhythmia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Liver Cirrhosis](#)
- [Long QT syndrome](#)
- [Sudden Infant Death](#)