

Product datasheet for **TP506126**

Cavin1 (NM_008986) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse caveolae associated 1 (Cavin1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206126 representing NM_008986 Red =Cloning site Green =Tags(s)
	<p>MEDVTLHIVERPYSGFDPASSEGPEPTQGEARATEEPSGTGSDDELIKSDQVNGVLVLSLLDKIIGAVDQI QLTQAQLEERQAEMEGAVQSIQGELSKLGKAHATTSNTVSKLLEKVRKVSNNVKTVRGSLERQAGQIKKL EVNEAELLRRNFKVMYQDEVKLPKLSVSKLKESEALPEKEGDELGEGERPEDDTAAIELSSDEAVE VEEVIEESRAERIKRSGLRVDDFKAFSKEKMEKTKVRTRENLEKTRLKTKENLEKTRHTLEKRMNKL TRLVPVERREKLKTSRDKLRKSFTPDHVVYARSKTAVYKVPPTFFHVKKIREGEVEVLKATEMVEVGPED DEVGAERGEATDLLRGSSPDVHTLLEITEESDAVLVDKSDSD</p> <p>SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	44.4 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
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 after receiving vials.
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:	<u>NP_033012</u>
Locus ID:	19285
UniProt ID:	<u>Q54724</u>



[View online »](#)

RefSeq Size: 3218
Cytogenetics: 11 63.95 cM
RefSeq ORF: 1176
Synonyms: 2310075E07Rik; AW546441; Cav-p60; Cavin

Summary: Plays an important role in caveolae formation and organization. Essential for the formation of caveolae in all tissues (PubMed:18191225, PubMed:18840361, PubMed:18056712, PubMed:30188967). Core component of the CAVIN complex which is essential for recruitment of the complex to the caveolae in presence of calveolin-1 (CAV1) (PubMed:19546242). Essential for normal oligomerization of CAV1 (PubMed:23652019). Promotes ribosomal transcriptional activity in response to metabolic challenges in the adipocytes and plays an important role in the formation of the ribosomal transcriptional loop (PubMed:27528195). Dissociates transcription complexes paused by DNA-bound TTF1, thereby releasing both RNA polymerase I and pre-RNA from the template (PubMed:9582279, PubMed:11139612). The caveolae biogenesis pathway is required for the secretion of proteins such as GASK1A (PubMed:30188967).[UniProtKB/Swiss-Prot Function]