

Product datasheet for **TP506855**

Pnpla2 (BC019188) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse patatin-like phospholipase domain containing 2 (cDNA clone MGC:29206 IMAGE:5027544), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206855 representing BC019188 Red =Cloning site Green =Tags(s)
	<p>MSHACQGEAGANIIEVSKEARKRFLGPLHPSFNLVKTIRGCLLKTLPADCHERANGRLGISLTRVSDGEN VIISHFSSKDELIQANVCSTFIPVYCGLIPPTLQGVRYVDGGISDNLPLYELKNTITVSPFSGESDPCQ DSSTNIHELVRTNTSIQFNLRNLYRLSKALFPPEPMVLREMCKQGYRDGLRFLRRNGLLNQPNPLLALPP VVPQEEDAEEAAVVEERAGEEDQLQPYRKDRILEHLPARLNEALLEACVEPKDLMTTLSNMLPVRLATAM MVPYTLPLESAVSFTIRLLEWLPDVPEDIRWMKEQTGSICQYLVMRKRKLGDHLP SRLSEQVELRRAQS LPSVPLSCATYSEALPNWVRNLSLGDALAKWEECQRQLLGLFCTNVAFPD DALRMRAPASPTAADPAT PQDPPGLPPC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	75.7 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.
Locus ID:	66853



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UniProt ID: [Q8BJ56](#)

RefSeq Size: 2064

Cytogenetics: 7 F5

RefSeq ORF: 1290

Synonyms: TTS-2.2, Atgl

Summary: Catalyzes the initial step in triglyceride hydrolysis in adipocyte and non-adipocyte lipid droplets (PubMed:15550674). Also has acylglycerol transacylase activity. May act coordinately with LIPE/HLS within the lipolytic cascade. Regulates adiposome size and may be involved in the degradation of adiposomes. May play an important role in energy homeostasis. May play a role in the response of the organism to starvation, enhancing hydrolysis of triglycerides and providing free fatty acids to other tissues to be oxidized in situations of energy depletion. [UniProtKB/Swiss-Prot Function]