

Product datasheet for TP527517

Adipoq (NM_009605) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse adiponectin, C1Q and collagen domain containing (Adipoq), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227517 representing NM_009605 Red =Cloning site Green =Tags(s)
	<p>MLLLQALLFLLILPSHAEDDVTTEELAPALVPPPKGTCAGWMAGIPGHPGHNGTPGRDGRDGTGPGEKGE KGDAGLLGPKGETGDVGMTGAEGPRGFPGTPGRKGEPEAAAYVYRSFVGLTRVTPNVPPIRFTKIFY NQQNHYDGSTGKFCYCNIPGLYFYSYHITVYMKDKVSLFKKDKAVLFTYDQYQEKNVDAQSGSVLLHLEV GDQVWLQVYGDGDHNGLYADNVNDSTFTGFLLYHDTN</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	27.3 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:	NP_033735
Locus ID:	11450
UniProt ID:	Q60994
RefSeq Size:	1233



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Cytogenetics: 16 13.96 cM

RefSeq ORF: 741

Synonyms: 30kDa; Acdc; Acrp30; Ad; adipo; apM1; APN; GBP28

Summary: Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.[UniProtKB/Swiss-Prot Function]