

Product datasheet for TP516980

Pm20d1 (NM_178079) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse peptidase M20 domain containing 1 (Pm20d1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR216980 protein sequence Red=Cloning site Green=Tags(s)

MAELLASLPAAVAVLLFFATVSGSTGPRSRENRGASRIPSQFSEEERVAIKEALKGAIQIPTVSFSHEE
SNTTALAEFGYIRKAFPTVFHSSLVQHEVAKYSHLFTIQGSDPSLQPYMLMAHIDVVPAPPEGWEVPP
FSGLERNGFIYGRGALDNKNSVMAILHALELLLIRNYSKRSFFIALGHDEEVSGEKGAQKISALLQARG
VQLAFLVDEGSFILEGFIPNLEKPVAMISVTEKGALDMLQVNMTPGHSSAPPKETSIGILSAAVSRLEQ
TPMPNMFGGGPLKKTMLLANEFSPINIVLRNLWLFHPIVSRIMERNPITNALVRTTTALTMTFNAGIKV
NVIPPLAQATINCRHPSQTVHEVLELVKNTVADDRVQLHVLRSFEPLPISPSDDQAMGYQLLQETIRSV
FPEVDIVPGICIANTRHYANITNGMYRFNPLPLNPQDFSGVHGINEKVSQNYQNQVKFIFEFIQNA
DTYKEPVPHEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	55.7 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.
RefSeq:	NP_835180



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Locus ID: 212933

UniProt ID: [Q8C165](#)

RefSeq Size: 3540

Cytogenetics: 1 E4

RefSeq ORF: 1512

Synonyms: 4732466D17Rik; AI098026

Summary: Bidirectional N-fatty-acyl amino acid synthase/hydrolase that regulates the production of N-fatty-acyl amino acids. These metabolites are endogenous chemical uncouplers of mitochondrial respiration. In an UCP1-independent manner, maybe through interaction with mitochondrial transporters, they promote proton leakage into the mitochondrial matrix. Thereby, this secreted protein may indirectly regulate the bodily dissipation of chemical energy as heat through thermogenic respiration.[UniProtKB/Swiss-Prot Function]