

Recombinant Mouse Pm20d1 Protein, Myc/DDK-tagged

Cat. No. Pm20d1-4950M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length peptidase M20 domain containing 1 (Pm20d1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Secreted enzyme that regulates the endogenous N-fatty acyl amino acid (NAAs) tissue and circulating levels by functioning as a bidirectional NAA synthase/hydrolase. It condenses free fatty acids and free amino acids to generate NAAs and bidirectionally catalyzes the reverse hydrolysis reaction (Probable). Some of these NAAs stimulate oxidative metabolism via mitochondrial uncoupling, increasing energy expenditure in a UPC1-independent manner. Thereby, this secreted protein may indirectly regulate whole body energy expenditure. PM20D1 circulates in tight association with both low- and high-density (LDL and HDL, respectively) lipoprotein particles
Molecular Mass	55.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	>50 µg/mL as determined by microplate BCA method
---------------	--

Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
----------------	---

GENE INFORMATION

Gene Name	Pm20d1 peptidase M20 domain containing 1 [Mus musculus (house mouse)]
-----------	---

Official Symbol	Pm20d1
-----------------	--------

Synonyms	PM20D1; peptidase M20 domain containing 1; probable carboxypeptidase PM20D1; peptidase M20 domain-containing protein 1; AI098026; 4732466D17Rik; MGC159098
----------	--

Gene ID	212933
---------	--------

mRNA Refseq	NM_178079
-------------	-----------

Protein Refseq	NP_835180
----------------	-----------

UniProt ID	Q8C165
------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA