

PM20D1 Blocking Peptide (N-Term)

Synthetic peptide

Catalog # BP21685a

Specification

PM20D1 Blocking Peptide (N-Term) - Product Information

Primary Accession

[Q6GTS8](#)**PM20D1 Blocking Peptide (N-Term) - Additional Information**

Gene ID 148811

Other Names

Probable carboxypeptidase PM20D1, 3417-, Peptidase M20 domain-containing protein 1, PM20D1

Target/Specificity

The synthetic peptide sequence is selected from aa 145-159 of HUMAN PM20D1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PM20D1 Blocking Peptide (N-Term) - Protein InformationName PM20D1 ([HGNC:26518](#))**Function**

Secreted enzyme that regulates the endogenous N-fatty acyl amino acid (NAAs) tissue and circulating levels by functioning as a bidirectional NAA synthase/hydrolase (PubMed:27374330). It condenses free fatty acids and free amino acids to generate NAAs and bidirectionally catalyzes the reverse hydrolysis reaction (PubMed:27374330). 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 (By similarity).

Cellular Location

Secreted {ECO:0000250|UniProtKB:Q8C165}.

PM20D1 Blocking Peptide (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PM20D1 Blocking Peptide (N-Term) - Images**PM20D1 Blocking Peptide (N-Term) - References**

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).