

## Product datasheet for MC206122

### AB112350 (BC062890) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AB112350 (BC062890) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	AB112350
Synonyms:	NAPE-PLD, A530089G06
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC062890

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AGCGCCTGCGGGTGAGCCTCCCTGCTGTTAGCCTGGATCTTCGCGGGAGGCGGTTGCGGCACCGCGGTTCC
CTTTTCGTTGGTTTGTCTCCTTAGTCTCGATATCTGCGTGGAAACAGCCTTTCTGGGGCTGTTGCGGATACCT
CGGTGAAGTGCAGCGGGTTTCGACTTCTCGCCGAGGGACATGGATGAGTATGAGGACAGCCAGTCTCCAG
CGCCAAGCTATCAGTATCCAAAAGAAACACTGAGAAAGCGCCAGAATTCAGTGCAGAATTCAGGAGGAAG
TGTGTCTTCTAGGTTCTCCAGGAAAAGCTTCAAGCTGGATTACAGACTAGAGGAGGACGTAACATAAATCA
AAGAAAGGAAAAGACGGGAGATTTGTTAACCCATGGCCAACATGGAAAAACATCTCCATCCCGAATGTGC
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CCCGGTGCTTAAGCCATATTTTGTGAGTACCTGAAGACGCTGGAGTGAGAGAGGCTGGCTTACGAGTC
ACGTGGCTGGGACATGCGACGCTGATGGTGGAAATGGACGAGCTCATCTTCTCACGACCCCATGTTCA
GCTCCCGTGCCTCTCCCTCGCAGTACATGGGTCCGAAGCGGTTTCGCCGCCCGCCGTGTACAATAAGCGA
ACTCCCCACGATAGATGCTGTCCCTCATCAGTACAAACACTACGACCACCTAGACTACGGCTCGGTCCTG
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CACCTTCGTCTTACGCCCTTCCAGCACTGGTGCAAAAGACCCTCCTGGACGACAACAAGGTTCTCTGG
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TGAATGAAGCTCTAGAGAGATACGGACTTCTTGTGAGGATTTCTTCACTGAAGCATGGAGAGTCGAG
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ACATTATATTTAGTGGCAGTAAAATTTCTGAGGTTGTGAAAACTGACATTAAGTTCCATTTCTTTTT
CTATTCAGGGCTTTCTACAGAGAGTCATGCTTACCTTTCTAGATTACACACACACACACACACACACA
CACACCACACACACACCACACACACCCTTTCTTATATTTATGTAATGATAAACTTGACTCCACATG

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RefSeq ORF: 1191 bp

Locus ID: 242864

Cytogenetics: 5 A3

**Gene Summary:** Hydrolyzes N-acyl-phosphatidylethanolamines (NAPEs) to produce N-acylethanolamines (NAEs) and phosphatidic acid. Responsible for the generation of these bioactive fatty acid ethanolamides (FAEs), including anandamide (N-arachidonoylethanolamine), the ligand of cannabinoid and vanilloid receptors (PubMed:14634025). As a regulator of lipid metabolism in the adipose tissue, mediates the crosstalk between adipocytes, gut microbiota and immune cells to control body temperature and weight. In particular, regulates energy homeostasis by promoting cold-induced brown or beige adipocyte differentiation program to generate heat from fatty acids and glucose (PubMed:25757720).[UniProtKB/Swiss-Prot Function]