

Product datasheet for **MR216407**

Psap11 (NM_175249) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psap11 (NM_175249) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psap11
Synonyms:	2310020A21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216407 representing NM_175249
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCACTATGCTGTGCCTCTGATTCTCTGGTCTGGCCTCCTGGGGCTGCCAGGGCCAGCCCCATCT
 CAGTTCGCCGTGAGTGTGCCAAGGGTTCGGAGGTATGGTGTGAGGACCTGCAGGCAGCTGCAAAGTGTG
 GGCCGTGAGGCACTGCCAGAGTGTCTGGAACAAGCCACAGTCAAGTCCCTGCCCTGCAGTGTGTGC
 CAGGATGTGGCCGCGCTGCTGGCAATGGGGTGAACCCAGGTGCTACAGAGTCGGATATTTTGACATCAG
 TAATGAAGACCTGTGAGTGGCTTCCAAGCCAGGAGTCTTCAGCTAAGTGAAGTGGATGGTGAACAACCA
 CAGCGCAGCTGCTCTGAGCATGCTCAGTGGCGCTCAGGAGACTGACCTGGCTTCTGTGTGCACTGCGCTC
 ACCCTCTGTGAACCATTACAGAGGCACCTAGCTGAGACTACCTCGGAGAGACCGCTGACCCAGGAGGATG
 CAAATGAGGTGATGGCCCCATTCTATCCAACGGGGCGTTGAGCTTCCACCCATCACAGATGCCTGAAGG
 TGCTGTGTGTCATGATTGTGTCCAGCTGATCTCCTTGCTCCAGGATGCTCTAGAGTCTAATTTGACCTTG
 GCAGAGGTAAGTTCAGAAATCAGTGTGCTAGTCCATGCGGGCTGGCTGGCTGCCCTCTGCGAGAACTACA
 TCCACCGGCAGTTTGTCCCTGCTAAGCAAACATTGCAAGGGTCTCCCCCACAGGAGGTCTGCAGGAAGGG
 GGGCTTCTGTGAGAGAGAGTCTGCCCACTGGCTGACTCGAGTGGCCGCTGTGGATGGAGTCCCCTCTCTG
 GAGATGGAGATGCCGAGGACGAATGAGTTGCAGATGCAGTTGGGCTGACGTGCGACGTGTGCTTGAAC
 TGGTCCAGGAGCTGGACAAGTGGCTTGTGACCAACAGCACAGAAGCTCTCATCAGCCACACACTGGAGCG
 AGTGTGCACCGTAGTGCCCGAGCCTCTAGTCCAACAGTGCATCACCTGGTAGACACCTACAGCCCTGAA
 TTGGTGCAGCTCATGTCAAAGTCACCCAGAGAAAGTATGTGAGACCATCAAGCTGTGTGGCAGCAAAA
 GGCCGGCCAGGTCATCTCCAGGGCTGTGGCAACCACACCATCCCTGCCGGTGGATGAGGAAAACAGGG
 CAGCTTCTGCCAAGGGTGCAAAAGGCTGCTGGGCATGTCTTCCAGAATCTGGACCACAAGAGACCAAG
 CGGGACATTCTGAATGCCTTCAAAGGTGGCTGCCGGATCCTGCCGTTGCCTTATGTGATGCAGTGAACC
 GTTTTGTGGCCGAGTATGAACCTGTGCTCATAGAGAGCCTCAAGTTCATGATGAACCCACGGACCTATG
 CAAGAAGATGGGGCCTGCCACGGCCCTAAGACTCCACTTCTAGGCACAGATCAGTGCATGCGCCCC
 AGCTTCTGGTGAAGAGCCAGAGGCCGCTGAAATGTGTAATGCCCTGGAACACTGCCAGCGCCTCGTGT
 GGAAAAAGCCCGTCTCCAAAATCAACGAGCAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216407 representing NM_175249
 Red=Cloning site Green=Tags(s)

MGTMLCALILWSGLLGAARASPIISVPRECAKGVSEVWCQDLQAAAKCRAVRHCQSAVWNKPTVKSLPCSV
 QDVAAAAGNGVNP GATESDILTSVMKTCEWLPSEQESSAKCKWMVNNHSAAVLSMLSGAQETDLASVCTAL
 TLCEPLQRHLAETT SERPLTQEDANEVMAFPFLSNGALSFHPSQMPEGAVCHDCVQLISLLQDALESNLT
 AEVTVQNQCQSMGPGLAALCENYIHRQFVPAKQTLQGLPPQEVCRKGGFCERESAHWLRVAAVDGVPSL
 EMEMPRTNELQMLGLTCDVCLNLVQELDKWLVNTEALISHTLERVCTVVPEPLVQQCITLVDTSYPE
 LVQLMSKVTPEKVCETIKL CGSKRRARSISRAVATTPSLPVDEENQGSFCQGCKRLLGMSSQNL DHKSTK
 RDILNAFKGGCRILPLPYVMQCNRFVAEYEPVLIESLKFMMNPTDLCKKMGACHGPKTPLL GTDQCVMGP
 SFWCKSPEAAEMCNAL EHCQRLVWKKPVSKINEQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9079_h02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_175249

ORF Size: 1575 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_175249.3](#), [NP_780458.2](#)

RefSeq Size: 2548 bp

RefSeq ORF: 1578 bp

Locus ID: 76943

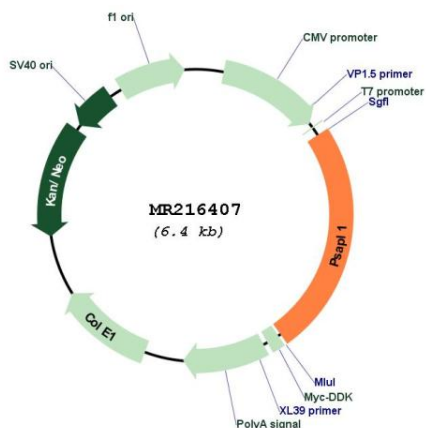
UniProt ID: [Q8C1C1](#)

Cytogenetics: 5 B3

MW: 57.4 kDa

Gene Summary: May activate the lysosomal degradation of sphingolipids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216407