

Product datasheet for **RG214503**

PSAPL1 (NM_001085382) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSAPL1 (NM_001085382) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PSAPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214503 representing NM_001085382
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGTGCCCTGCTCCTCTGCCAGCCTCTGGGGCCACCAGGGCCAGCCCACCTCAGGCCCC
 AGGAGTGTGCAAAGGGCTCCACGGTGTGGTGTGAGGATCTGCAGACAGCTGCCAGGTGCGGGCTGTGGG
 GACTGCCAAGGGGCGTATGGAACAAACCCACCGCAAGTCTCTGCCCTGCGACGTATGCCAGGACATA
 GCAGCCGCGCTGGCAATGGGCTGAACCCTGACGCCACGGAGTCTGACATCCTGGCTTTGGTGATGAAGA
 CCTGTGAGTGGCTCCCCAGCCAGGAGTCTTACGCCGGATGCAAGTGGATGGTGGATGCCACAGTTCGGC
 CATCCTGAGCATGCTCCGTGGGGCCCCGGACAGTCCCCGGCACAGGTGTGCACAGCGCTCAGCCTCTGT
 GAGCCGCTGCAGAGGCACCTGGCCACCCTGAGGCCACTCTCAAAGAGGACACCTTTGAGGCTGTGGCTC
 CGTTCATGGCCAATGGGCCCTTACCTTCCACCCCGCCAGGCGCTGAAGGAGCTCTGTGCCAAGACTG
 TGTACGGCAGGTCTCCGACTCCAGGAGGTGTCCGGTCCAATTGACCTTGCCGACTTGAACATCCAG
 GAGCAGTGTGAGTCTTGGGGCCTGGCCTGGCCGTCTCTGCAAGAACTACCTTCCAGTTTTTGTCC
 CTGCTGACCAAGCACTGAGGCTTCTCCCCCGCAGGAGCTCTGCAGGAAGGGGGATTCTGTGAGGAGCT
 AGGGGCACCTGCCCGTTTGAAGTAGTGGCCATGGACGGGGTCCCCTCCCTGGAGCTGGGGTTGCCA
 AGGAAACAGAGCGAGATGCAGATGAAGGCCGGTGTGACCTGTGAGGTGTGCATGAACGTGGTGCAGAAGC
 TGGACCACTGGCTCATGTCCAACAGCTCTGAGCTCATGATCACCCATGCCCTGGAGCGCGTGTGCTCGGT
 AATGCCTGCCTATCACGAAGGAGTGCATCATTTGGTGGACACCTACAGCCCCCTTGGTGCAGCTT
 GTGGCCAAAATCACCCAGAGAAGGTGTGCAAGTTCATCCGTCTGTGTGGCAACCGGAGGCGGGCCCCGGG
 CAGTCCATGATGCCTATGCCATCGTCCCGTCCCCAGAGTGGGACGCGGAGAACCAGGGCAGCTTCTGCAA
 TGGGTGCAAGAGGCTGCTCAGGTGTCTCCACAACTTGGAGAGCAAGAGCACCAAGCGAGACATCCTG
 GTGGCCTTCAAGGGTGGCTGCAGCATCCTGCCGTGCCCTATATGATCCAGTGCAGCACTTCGTACCC
 AGTACGAGCCCGTCTCATTGAGAGTCTCAAGGACATGATGGACCCCGTGGCTGTGTGCAAGAAGGTGGG
 GGCCTGCCACGGCCCCAGGACCCACTGCTGGGCACCGACAGTGTGCCCTGGGCCAAGCTTCTGGTGC
 AGGAGCCAGGAGGCCCAAGCTGTGCAACGCTGTGCAACACTGCCAGAAGCATGTATGGAAGAGATGC
 ACCTCCACGCTGGGGAACACGCG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214503 representing NM_001085382
 Red=Cloning site Green=Tags(s)

MLCALLLLPSLLGATRASPTSGPQECAGKSTVWCQDLQTAARCGAVGYCQGAVWNKPTAKSLPCDVCQDI
 AAAAGNGLNPDATESEDILALVMKTCEWLPSQESSAGCKWMVDAHSSAILSMLRGAPDSAPAQVCTALSLC
 EPLQRHLATLRPLSKEDTFEAVAPFMANGPLTFHPRQAPEGALCQDCVRQVSRLEAVRSNLTLADLNIQ
 EQCESLGPGLAVLCKNYLFQFFVPADQALRLLPPQELCRKGGFCEELGAPARLTQVVMADGVPSLELGLP
 RKQSEMQMKAAGVTCEVCMNVVQKLDHWLMSNSSELMITHALERVCSVMPASITKECIILVDTYSPSLVQL
 VAKITPEKVCKFIRLCGNRRRARAVHDAYAIVPSPWDAENQGSFCNGCKRLLTVSSHNLKSKSTKRDIL
 VAFKGGCSILPLPYMIQCKHFVTQYEPVLIESLKDMMDPVAVCKKVGACHGPRTPLLLGTDQCALGPSFWC
 RSQEAAKLCNAVQHCQKHVWKEMHLHAGEHA

SGP**TRRRLE** - GFP Tag - V

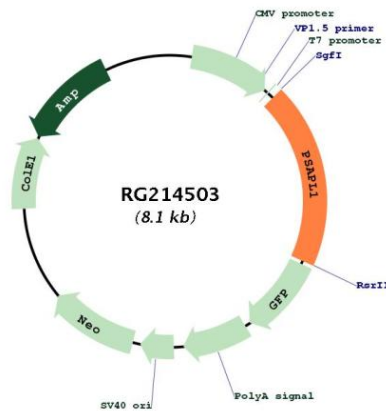
Restriction Sites:

Sgfl-RsrII

RefSeq: [NM_001085382.2](#)
 RefSeq Size: 4700 bp
 RefSeq ORF: 1566 bp
 Locus ID: 768239
 UniProt ID: [Q6NUJ1](#)
 Cytogenetics: 4p16.1
 Protein Pathways: Lysosome

Gene Summary: This gene encodes a protein that is related to the glycoprotein prosaposin. Based on sequence similarity between the encoded protein and prosaposin, it is predicted that the encoded protein is a preproprotein that is proteolytically processed to generate multiple protein products. These predicted products include saposins A-like, B-like, C-like, and D-like, which may play a role in the lysosomal degradation of sphingolipids. [provided by RefSeq, Jul 2015]

Product images:



Circular map for RG214503