

Product datasheet for **SC212846**

PSAP (NM_001042466) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PSAP (NM_001042466) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PSAP
Synonyms: GLBA; SAP1; SAP2
ACCN: NM_001042466
Insert Size: 1173 bp
Insert Sequence: >SC212846 3'UTR clone of NM_001042466
 The sequence shown below is from the reference sequence of NM_001042466. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGCATTGCAAACGCCATGTGTGGAACTAGGAGGAGGAATATCCATCTTGGCAGAAACCACAGCATTG
GTTTTTTCTACTTGTGTCTGGGGGAATGAACGCACAGATCTGTTGACTTTGTATAAAAATAGGG
CTCCCCACCTCCCCATTTCTGTGTCCTTATTGTAGCATTGCTGTCTGCAAGGGAGCCCCCTAGCCCC
TGGCAGACATAGCTGCTTCAGTGCCCTTTTCTCTCTGCTAGATGGATGTTGATGCACTGGAGGTCTTT
TAGCCTGCCCTTGCATGGCGCCTGCTGGAGGAGGAGAGCTCTGCTGGCATGAGCCACAGTTTCTTGA
CTGGAGGCCATCAACCCTCTTGGTTGAGGCCTTGTCTGAGCCCTGACATGTGCTTGGGCACTGGTGGG
CCTGGGCTTCTGAGGTGGCCTCCTGCCCTGATCAGGGACCCTCCCCGCTTTCCTGGGCTCTCAGTTGA
ACAAAGCAGCAAAACAAAGGCAGTTTTATGAAAGATTAGAAGCCTGGAATAATCAGGCTTTTTAAAT
GATGTAATTCCCCTGTAATAGCATAGGGATTTTGAAGCAGCTGCTGGTGGCTTGGGACATCAGTGGG
GCCAAGGGTTCTCTGTCCCTGGTTCAACTGTGATTTGGCTTCCCGTGTCTTTCCTGGTGTGCCTGT
TTGGGGTTCTGTGGGTTTGGGTGGGAAGAGGGCCATCTGCCTGAATGTAACCTGCTAGCTCTCCGAAG
CCCTGCGGGCCTGGCTTGTGTGAGCGTGTGGACAGTGGTGGCCGCGCTGTGCCTGCTCGTGTGCCTAC
ATGTCCCTGGCTGTTGAGGCGCTGCTTCAGCCTGCACCCCTCCCTTGTCTCATAGATGCTCCTTTTAC
CTTTTCAAATAAATATGGATGGCGAGCTCCTAGGCCTCTGGCTTCTGGTAGAGGGCGGCATGCCGAAG
GGTCTGCTGGGTGTGGATTGGATGCTGGGGTGTGGGGTGTGAAGCTGTCTGTGGCCACTTGGGCACC
CACGCTTCTGTCCACTTCTGGTTGCCAGGAGACAGCAAGCAAAGCCAGCAGGACATGAAGTTGCTATTA
AATGGACTTCGTGATTTTTGTTTTGCACTAAAGTTTCTGTGATTAACAATAAAAATCTGTTAGCCAGA
ACGCGTAAGCGGCCGCGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001042466.3</u>
Summary:	This gene encodes a highly conserved preproprotein that is proteolytically processed to generate four main cleavage products including saposins A, B, C, and D. Each domain of the precursor protein is approximately 80 amino acid residues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycosphingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory protein and as an integral membrane protein and has neurotrophic activities. Mutations in this gene have been associated with Gaucher disease and metachromatic leukodystrophy. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]
Locus ID:	5660
MW:	43.1