

Product datasheet for SC307206

ENPP7 (NM_178543) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENPP7 (NM_178543) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENPP7
Synonyms:	ALK-SMase; E-NPP 7; NPP-7; NPP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307206 representing NM_178543. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAGGCCCGCCGCTCCTCCTCACTGTGGCTCTGGCCACGCTCCTGGCTCCCGGGCCGGAGCACCG
GTACAAAGTCAGGGCTCCAGACAAGCTGCTCCTGGTGTCTTCGACGGCTTCCGCTGGAACACTACGAC
CAGGACGTGGACACCCCAACCTGGACGCCATGGCCCGAGACGGGGTGAAGGCACGCTACATGACCCCC
GCCTTTGTACCATGACCAGCCCTGCCACTTCACCCTGGTCACCGCAAATATATCGAGAACCACGGG
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ACAGAATCTGCTTCCGCTGATGGAAGGCTACTCTCTGCCAAGGGAAGATCTGCTCTCCCGCC
AGCAGCAGGCCCTCCTCGTGTGGGACTGCTGGGACCGTGATTCTTGTCTGAGGTCGCAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_178543
Insert Size:	1377 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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_178543.4
RefSeq Size:	1894 bp
RefSeq ORF:	1377 bp
Locus ID:	339221
UniProt ID:	Q6UWV6
Cytogenetics:	17q25.3
Protein Pathways:	Metabolic pathways, Sphingolipid metabolism
MW:	51.5 kDa
Gene Summary:	The protein encoded by this gene is an intestinal alkaline sphingomyelin phosphodiesterase that converts sphingomyelin to ceramide and phosphocholine. The encoded protein is anchored in the cell membrane, and it may function to protect the intestinal mucosa from inflammation and tumorigenesis. This protein is glycosylated and also exhibits lysophosphatidylcholine hydrolase activity. [provided by RefSeq, Oct 2016]