

## Product datasheet for **SC313539**

### SMPDL3A (BC018999) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SMPDL3A (BC018999) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMPDL3A
Synonyms:	0610010C24Rik; acid sphingomyelinase-like phosphodiesterase 3a; AI529588; ASM-like phosphodiesterase 3a; ASM3A; ASML3; ASML3A; OTTMUSP00000028536; sphingomyelin phosphodiesterase, acid-like 3A; yR36GH4.1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for BC018999, the custom clone sequence may differ by one or more nucleotides ATGGCGCTGGTGCGCGCACTCGTCTGCTGCCTGCTGACTGCCTGGCACTGCCGCTCCGGC CTCGGGCTGCCGTGGCGCCCGCAGGCGGCAGGAATCCTCCTCCGGCGATAGGACAGTTT TGGCATGTGACTGACTTACACTTAGACCCTACTTACCACATCACAGATGACCACACAAAA GTGTGTGCTTCATCTAAAGGTGCAAATGCCTCCAACCCTGGCCCTTTTGGAGATGTTCTG TGTGATTCTCCATATCAACTTATTTTGTGAGCATTGATTTTATTAATAATTCTGGACAA GAAGCATCTTTCATGATATGGACAGGGGATAGCCACCTCATGTTCTGTACCTGAACTC TCAACAGACACTGTTATAAATGTGATCACTAATATGACAACCACCATCCAGAGTCTCTTT CCAAATCTCCAGTTTCCCTGCGCTGGGTAATCATGACTATTGGCCACAGGATCAACTG CCTGTAGTCACCAGTAAAGTGTACAATGCAGTAGCAAACCTCTGGAAACCATGGCTAGAT GAAGAAGCTATTAGTACTTTAAGGAAAGGTGGTTTTTATTCACAGAAAGTTACAATAAT CCAAACCTTAGGATCATCAGTCTAAACACAACTTGTACTACGGCCAAATATAATGACA CTGAACAAGACTGACCCAGCCAACAGTTTGAATGGCTAGAAAAGTACATTGAACAACCTC CAGCAGAATAAGGAGAAGGTGTATATCATAGCACATGTTCCAGTGGGGTATCTGCCATCT TCACAGAACATCACAGCAATGAGAGAATACTATAATGAGAAAATTGATAGATATTTTTCAA AAATACAGTGATGTCATTGCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG GTTCTTTCAGATAAAAAAGGAAGTCCAGTAAATCTTTGTTTGTGGCTCCTGCTGTTACA CCAGTGAAGAGTGTATTAATAAATTTAGAAAAACAGACCAACAATCCTGGTATCAGACTGTTTCAGTAT GATCCTCGTGATTATAAATTTATGGATATGTTGCAGTATTACTTGAATCTGACAGAGGCG AATCTAAAGGGAGAGTCCATCTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATT GAAGATTTGCAGCCGAAAGTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT AAGCAGTTTATAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAGTGTAACATGT GATAAGACATGTAAGGCCTTTCAGATTTGTGCAATTATGAATCTTGATAATTTTCTAT GCAGATTGCCTCAAACAGCTTTTATAAAGCACAAATTAC
Restriction Sites:	Please inquire
ACCN:	BC018999



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">BC018999.2</a>, <a href="#">AAH18999.1</a></u>
<b>RefSeq Size:</b>	1759 bp
<b>RefSeq ORF:</b>	1362 bp
<b>Locus ID:</b>	10924
<b>Cytogenetics:</b>	6q22.31
<b>Domains:</b>	Metallophos
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	Has in vitro nucleotide phosphodiesterase activity with nucleoside triphosphates, such as ATP (PubMed:25288789, PubMed:26783088). Has in vitro activity with p-nitrophenyl-TMP (PubMed:25288789). Has lower activity with nucleoside diphosphates, and no activity with nucleoside monophosphates (PubMed:25288789, PubMed:26783088). Has in vitro activity with CDP-choline, giving rise to CMP and phosphocholine. Has in vitro activity with CDP-ethanolamine (PubMed:26783088). Does not have sphingomyelin phosphodiesterase activity (PubMed:25288789, PubMed:26783088).[UniProtKB/Swiss-Prot Function]