

## Product datasheet for **SC100410**

### SMPDL3A (NM\_006714) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SMPDL3A (NM_006714) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMPDL3A
Synonyms:	ASM3A; ASML3a; yR36GH4.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100410 sequence for NM_006714 edited (data generated by NextGen Sequencing)

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ATGGCGCTGGTGGCGCGACTCGTCTGCTGCCTGCTGACTGCCTGGCACTGCCGCTCCGGC
CTCGGGCTGCCCGTGGCGCCCGCAGGCGCAGGAATCCTCCTCCGGCGATAGGACAGTTT
TGGCATGTGACTGACTTACACTTAGACCCTACTTACCACATCACAGATGACCACAAAA
GTGTGTGCTTCATCTAAAGGTGCAAATGCCTCCAACCCTGGCCCTTTGGAGATGTTCTG
TGTGATTCTCCATATCAACTTATTTTGTGAGCATTGATTTTATAAAAAATTCTGGACAA
GAAGCATCTTTCATGATATGGACAGGGGATAGCCACCTCATGTTCTGTACCTGAACCTC
TCAACAGACACTGTTATAAATGTGATCACTAATATGACAACCACCATCCAGAGTCTCTTT
CCAAATCTCCAGTTTTCCCTGCGCTGGGTAATCATGACTATTGGCCACAGGATCAACTG
CCTGTAGTCACCAGTAAAGTGTACAATGCAGTAGCAAACCTCTGGAAACCATGGCTAGAT
GAAGAAGCTATTAGTACTTTAAGGAAAGGTGGTTTTTATTACAGAAAAGTTACAACATA
CCAAACCTTAGGATCATCAGTCTAAACAAAACTTGTACTACGGCCCAAATATAATGACA
CTGAACAAGACTGACCCAGCCAACCAGTTTGAATGGCTAGAAAAGTACATTGAACAACCTC
CAGCAGAATAAGGAGAAGGTGTATATCATAGCACATGTTCCAGTGGGGTATCTGCCATCT
TCACAGAACATCACAGCAATGAGAGAATACTATAATGAGAAAATTGATAGATATTTTTCAA
AAATACAGTGATGTCATTGCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG
GTTCTTTCAGATAAAAAAGGAAGTCCAGTAAATCTTTGTTTGTGGCTCCTGCTGTTACA
CCAGTGAAGAGTGTTTTAGAAAAACAGACCAACAATCCTGGTATCAGACTGTTTCAGTAT
GATCCTCGTGATTATAAATTTATGGATATGTTGCAGTATTACTTGAATCTGACAGAGGCG
AATCTAAAGGGAGAGTCCATCTGGAAGCTGGAGTATATCCTGACCAGACCTACGACATT
GAAGATTTGCAGCCGAAAGTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT
AAGCAGTTTATAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAGTGTAACATGT
GATAAGACATGTAAGGCCTTTCAGATTTGTGCAATTATGAATCTTGATAATTTCTCTAT
GCAGATTGCCTCAAACAGCTTTTATAAAGCACAATTACTAG

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Clone variation with respect to NM\_006714.3



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006714 unedited CACCGGTGGAGCTGCGGGACACCCGACCTCCAGTCAGCCCCGCGGCCCTCCATGGCGCTG GTGCGCGCACTCGTCTGCTGCCTGCTGACTGCCTGGCACTGCCGCTCCGGCCTCGGGCTG CCCGTGGCGCCCCGAGCGCGCAGGAATCCTCCTCCGGCGATAGGACAGTTTTGGCATGTG ACTGACTTACACTTAGACCCTACTTACCACATCACAGATGACCACACAAAAGTGTGTGCT CCATCTAAAGGTGCAAATGCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCT TTCATGATATGGACAGGGGATAGCCACCTCATGTTCTGTACCTGAACTCTCAACAGAC ACTGTTATAAATGTGATCACTAATATGACAACCCATCCAGAGTCTCTTCCAAATCTC CAGTTTTTCCCTGCGCTGGGTAATCATGACTATTGGCCACAGGATCAACTGCCTGTAGTC ACCAGTAAAGTGTACAATGCAGTAGCAAACCTCTGAAACCATGGCTAGATGAAGAAGCT ATTAGTACTN
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_006714 unedited GACAACCTATGGACCGTCCCATTTTAAAGATCGATTTTTTTTTTTTTTTTTTTTTTTT GAGATAAAGAATTCGCTTTATTGTATAAATGACAATTTCAACAAGGTACAAATTAGATA TAATTATATAAATGAATATTTACATCCAATTTACATCCATCATTCTATTAATGAGCATT TTAAATATATAATACAATTCAGAATGATAAAGATATCTACATTAAGGCATCAAAAAGAAA AAAAAAAAGAAAGCAAAGACAGGAAGTCTACTTGCCCACTCAGTAATTAACAAAGATTTA TGTAATAATCCCACAAATGATCTCAGAATCAGAATCAGCATTTTCTATTAGCAAAAAC GTGAAATACTAGTAATTGTGCTTTATATAAAGCTGTTTGAGGCAATCTGCATAGGAAATA TTATCAAGATTCATAATGCACAAATCTGAAAGGCCTTACATGTCTTATCACATGTTACA CTGCTGCATAACTCACAAAGAAGTAATTGTAGTATTTATAAACTGCTTACTGTCTAGG ATTGTAATTTGTTAGCTAATCCATATAAACTTTCCGGCTGCAAACTTCAATGTGCTAA GTCTGGGTCAGGATATACTCCAGCTTCCAGATGGACTCTCCCTTTAGATTCGCCTCTGTC AGATTCAGTAATACTGGCACATATCCAATAATTTATAATCACGAAGATCATACTGAAAC AGTCTGATACCAGGATGGTGGTCTGTTTTCTAAAACACTCTCACTGGTGTAAACAAGCA GGAGCACAAACAAAGAATTTACTGGACTTCCTTTTTTATCTGAAAGAACCATAATGCTGT CTCTGTGAATGGGTCCCTAAAATGTCCCTGCAATGACATCACTGC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006714
<b>Insert Size:</b>	1750 bp
<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>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="#">NM_006714.2</a></u> , <u><a href="#">NP_006705.1</a></u>

RefSeq Size:	1759 bp
RefSeq ORF:	1362 bp
Locus ID:	10924
UniProt ID:	<a href="#">Q92484</a>
Cytogenetics:	6q22.31
Domains:	Metallophos
Protein Families:	Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>