

Product datasheet for **MC215990**

Smpdl3a (NM_020561) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smpdl3a (NM_020561) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smpdl3a
Synonyms:	0610010C24Rik; AI529588; ASM3A; ASML3; ASML3A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC215990 representing NM_020561
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTTGCTGGCAACTTCCTTTGCTGCCTACTGGTTGCCTGGCTCTGCGGCCGGGGCTCGGGGTGC
 CCCTGGCGCCGGCGGATCGCGCCCCAGCTGTGGGCAGTTTTGGCACGTGACTGACTTACATCTAGACCC
 TACTTACCACATTACAGATGACCGTACCAAGGTGTGTGCTTCATCTAAAGGCGCAATGCCTCCAACCT
 GGGCCTTCGGAGATGTCTGTGTGACTCTCCATATCAACTATTTTTGTCAGCCTTTGATTTTATTAAGA
 ATTCAGGACAAGAAGCATCTTTTCATGATATGGACAGGGGATAGCCACCTCATGTGCCAGTACCTGAACT
 CTCCACAGGCACCGTGATAAAGGTGATCACTAACATGACAATGACTGTCCAGAACCTGTTTCCAACCTC
 CAGGTTTTCCCTGCACTGGGCAATCATGACTACTGGCCACAGGACCAGCTGCCAATAGTCACCAGTAAGG
 TCTACAGTGTGTGGCTGACCTCTGAAACCTGGCTGGGTGAAGAAGCTATTAGCACTTTAAAGAAAGG
 TGGTTTTACTCACAGAAAGTTGCAAGTAATCCAGGCTTGAGGATCATTAGCCTAAACACAACTTGATC
 TATGGCCCAAACATCATGACCCTGAACAAGACAGCCAGCAAATCAGTTTGAATGGCTGGAAAATACAC
 TCAACAGCTCTCTATGGAATAAGGAGAAGGTATACATCATAGCGCATGTTCCAGTGGGCTATCTCCCTTA
 TGCAACTGACACCCCGCGATAAGGCGACTATAATGAGAACTGCTTGATATTTTCAGAAGATACAGC
 TCCGTCATTGCGGGACAGTTCTATGGCCACCCCATAGAGACAGCCTTATGGTCCTTTCAGATAAAAACG
 GGAATCCACTCAATTCTGTGTTGTGGCACCTGCTGTTACACCAGTGAAGGAGTTTTACAAAAGGAGAC
 CAACAATCCCGGTGTCCGCTATTTTCAGTACAAGCCTGGTGATTACACATTGCTGGACATGGTGCAGTAT
 TACTTGAACCTTGACAGAAGCCAATCTAAAAGGAGAATCCAAGTGGACATTGGAGTATGTCTTGACTCAGG
 CCTACAGTGTTCAGATCTGCAGCCAAAGAGTTTATATGCCTTAGTTAGCAATTTGCCACCAAAGACAG
 CAAGCAGTTCCTGAAATACTACCATTATTTTTGTGAGTTATGACAGCAGTGAACCTTGTGACCAGCAT
 TGTAAGACCTTACAGGTCTGTGCAATTATGAATCTTGATAGCATGTCCTATGATGATTGCCTTAAACAGC
 ATTTATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_020561

Insert Size: 1338 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).

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:

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_020561.2](#), [NP_065586.3](#)

RefSeq Size: 1791 bp

RefSeq ORF: 1338 bp

Locus ID: 57319

UniProt ID: [P70158](#)

Cytogenetics: 10 B4

Gene Summary: Has in vitro nucleotide phosphodiesterase activity with nucleoside triphosphates, such as ATP (PubMed:26792860). Has in vitro activity with p-nitrophenyl-TMP. Has lower activity with nucleoside diphosphates, and no activity with nucleoside monophosphates. Has in vitro activity with CDP-choline, giving rise to CMP and phosphocholine. Has in vitro activity with CDP-ethanolamine. Does not have sphingomyelin phosphodiesterase activity (By similarity). [UniProtKB/Swiss-Prot Function]