

Product datasheet for **RN213466**

Smpdl3a (NM_001005539) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smpdl3a (NM_001005539) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smpdl3a
Synonyms:	MGC95161
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213466 representing NM_001005539
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTTGCCGGCACTTCTCTGCTGCTGCTGGTTGCCTGGCTCTGCGATCCGGGGCTCGGGGTGC
 CCTTGGCGCCCGGTATGGCGCCCCAGCTGTGGGGCAATTTTGGCACGTGACTGACTTACATCTAGACCC
 TACTTACCACATTACAGATGACCATACCAAGTCTGTGCTTCATCTAAAGGTGCAATGTCTCCAATCCC
 GGCCCTTTGGAGATGTCTGTGTGACTCTCCATATCACTTATTTTATCAGCCTTTGATTTTATTAAGA
 ATTCAGGACAAGAAGCATCTTTCATGATATGGACAGGGGACAGCCACCTCATGTCCCAGTACGTGAAT
 GTCCACAGGCTCTGTTATAGAGGTGATCACTAACATGACAGTACTGTCCAGAACCTGTTCCAAACCTC
 CAGGTTTTCCCTGCACTGGGCAATCATGACTACTGGCCACAGGACCAGCTGCCAATAGCCACCAGTAAGG
 TCTACAGTGTGTGAGTACCTCTGAAACCTGGCTTATGAAGAAGCTATTAGCACTTAAGGAAAGG
 TGGTTTTACTCACAGAAAGTTGCAAGTAATCCAGACTTGAGGATCATTAGCCTAAACACAACTTGAC
 TATGGCCCAAATATCATGACCCTGAACAAGACAGCCAGCAAATCAGTTTGAATGGCTGGAAAATACAC
 TCAACAGCTCTCTGCGAAATAAGGAGAAGGTATACGTCATAGCACATGTGCCAGTGGGCTATCTCCCTTA
 TGCAACCAAGACCCAGCAATGAGGCACTACTATAATGAGAACTGGTTGATATTTTTCAGAAAGATACAGC
 TCCGTTATTGCCGGACAGTTCTATGGCCACACCCATAGAGACAGCCTTATGGTCTTTTCAGATAAAAACG
 GTAATCCAATAAATTCTGTGTTGTGGCACCTGCTGTTACACCAGTGAAGGAGTTTTAGAAAAAGAGAC
 CAACAATCCTGGCGTCCGTCTGTTTCAGTACAAGCCTGGTGATTACACTGTGGACATGTTGCAGTAT
 TACTTGAACCTTGACAGAAGCCAATCTAAAAGGAGAATCCAATTGGACCCTGGAGTACACCTTGACTCAGG
 CCTATGGTGTGCGAGACCTGCAGCCAAAGAGCTTACATGGATTAGCTCAGCAGCTTGCTACCATAGACAG
 CAAGCAGTTCCTGAAATACTACCATTATTTTTTGTGAGTTATGACAGCAGCGCACCTTGTGATCAACGA
 TGTAAGACCTTACAGATATGTGCAATTATGAATCTTGACCTGTTTCTATGAGGATTGCCTTAAACGAC
 ATTTATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001005539

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_001005539.1](#), [NP_001005539.1](#)

RefSeq Size: 1706 bp

RefSeq ORF: 1338 bp

Locus ID: 294422

UniProt ID: [Q641Z7](#)

Cytogenetics: 20q12

Gene Summary: Has in vitro nucleotide phosphodiesterase activity with nucleoside triphosphates, such as ATP. 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.[UniProtKB/Swiss-Prot Function]