

Product datasheet for **RC237430**

SMPDL3A (NM_001286138) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMPDL3A (NM_001286138) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SMPDL3A
Synonyms:	ASM3A; ASML3a; yR36GH4.1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237430 representing NM_001286138 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAACCACCATCCAGAGTCTCTTTCAAATCTCCAGGTTTTCCCTGCGCTGGGTAATCATGACTATT
GGCCACAGGATCAACTGCCTGTAGTCACCAGTAAAGTGTACAATGCAGTAGCAAACCTCTGGAAACCATG
GCTAGATGAAGAAGCTATTAGTACTTTAAGGAAAGGTGGTTTTTATTCACAGAAAGTTACAATAATCCA
AACCTTAGGATCATCAGTCTAAACACAACTTGTACTACGGCCAAATATAATGACACTGAACAAGACTG
ACCCAGCCAACCAGTTTGAATGGCTAGAAAAGTACATTGAACAACCTCTCAGCAGAATAAGGAGAAGGTGTA
TATCATAGCACATGTTCCAGTGGGGTATCTGCCATCTTCACAGAACATCACAGCAATGAGAGAATACTAT
AATGAGAAATTGATAGATATTTTTCAAAAATACAGTGTATGTCATTGCAGGACAATTTTATGGACACACTC
ACAGAGACAGCATTATGGTTCTTTCAGATAAAAAAGGAAGTCCAGTAAATCTTTGTTTGTGGCTCCTGC
TGTTACACCAGTGAAGAGTGTTTAGAAAAACAGACCAACAATCCTGGTATCAGACTGTTTCAGTATGAT
CCTCGTGATTATAAATTATTGGATATGTTGCAGTATTACTTGAATCTGACAGAGGCGAATCTAAAGGGAG
AGTCCATCTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGCAGCCGGAAGTTT
ATATGGATTAGCTAAACAATTTACAATCCTAGACAGTAAGCAGTTTATAAAATACTACAATTACTCTTT
GTGAGTTATGACAGCAGTGAACATGTGATAAGACATGTAAAGCCTTTTCAGATTTGTGCAATTATGAATC
TTGATAATATTTCTATGCAGATTGCCTCAAACAGCTTTATATAAAGCACAATTAC

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ACAAGGATGACGACGATAAGGTTTAA



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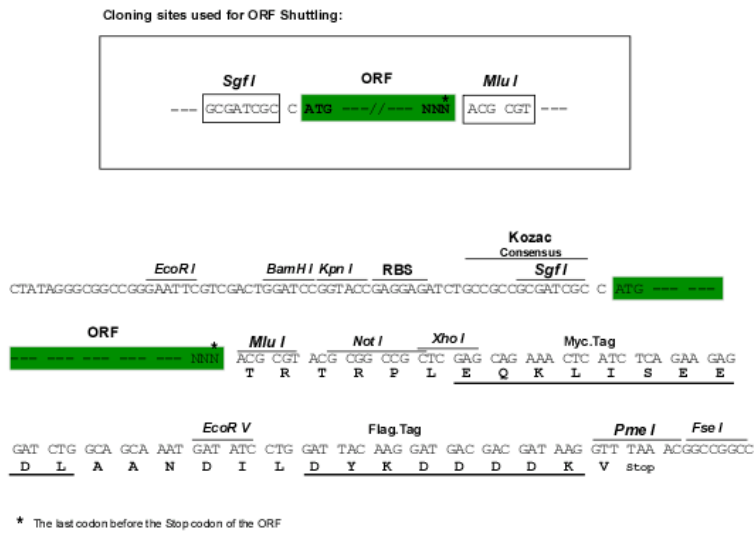
Protein Sequence: >RC237430 representing NM_001286138
 Red=Cloning site Green=Tags(s)

MTTTIQSLFPNLQVFPALGNHDYWPQDQLPVVTSKVYNAVANLWKPWLDEEAISTLRKGGFYSQKVTTNP
 NLRRIISLNTNLYGPNIMTLNKTDPAHQFEWLESTLNNSQQNKEKVIYIIAHVPVGYLPSSQNTAMREYY
 NEKLIDIFQKYSQDVIAGQFYGHTRDSIMVLSKKGSPVNSLFVAPAVTPVKSVLKQKQTNNPGIRLFQYD
 PRDYKLLDMLQYYLNLTEANLKGESIWKLEYILTQTYDIEDLQPESLYGLAKQFTILDQSKQFIKYNYFF
 VSYDSSVTCDKTCKAFQICAIMNLDNISYADCLKQLYIKHNY

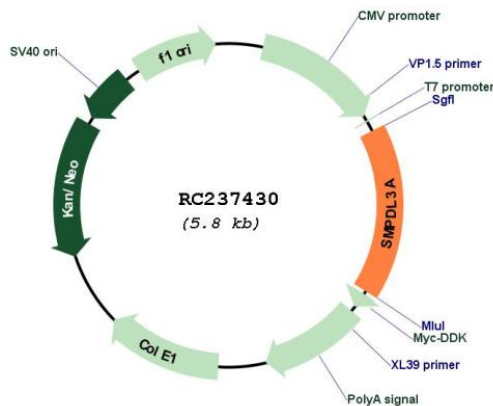
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286138

ORF Size: 966 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001286138.1 , NP_001273067.1
RefSeq Size:	1773 bp
RefSeq ORF:	969 bp
Locus ID:	10924
UniProt ID:	Q92484
Cytogenetics:	6q22.31
Protein Families:	Secreted Protein
MW:	37.7 kDa
Gene Summary:	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]