

Product datasheet for **RG237430**

SMPDL3A (NM_001286138) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMPDL3A (NM_001286138) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SMPDL3A
Synonyms:	ASM3A; ASML3a; yR36GH4.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237430 representing NM_001286138. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACAACCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTCCCTGCGCTGGGTAATCATGACTAT
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CCGAAAGTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGTAAGCAGTTTATAAAATACTAC
AATTACTTCTTTGTGAGTTATGACAGCAGTGAACATGTGATAAGACATGTAAGGCCTTTCAGATTTGT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



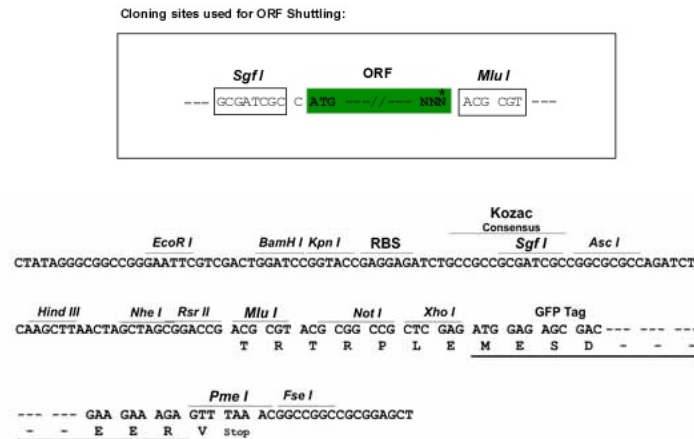
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Protein Sequence: >Peptide sequence encoded by RG237430
 Blue=ORF Red=Cloning site Green=Tag(s)

MTTTIQSLFPNLQVFPALGNHDYWPQDQLPVVTSKVYNAVANLWKPWLDEEAISTLRKGGFYSQKVTTN
 PNLRIISLNTNL YYGPNIMTLNKTD PANQFEWLESTLNSQONKEKVYIIAHVPVGYLPSSQNITAMRE
 YYNEKLIDIFQKYSVDVIAGQFYGHTRDSIMVLSDKKGSPVNSL FVAPAVTPVKSVLEKQTNNGIRLF
 QYDPRDYKLLDMLQYYLNLTEANLKGESIWKLEYILTQTYDIEDLQPESLYGLAKQFTILD SKQFIKYY
 NYFFVSYDSSVTC DKTKAFQICAIMNLDNISYADCLKQLYIKHNY
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

RefSeq: [NM_001286138.1](#), [NP_001273067.1](#)

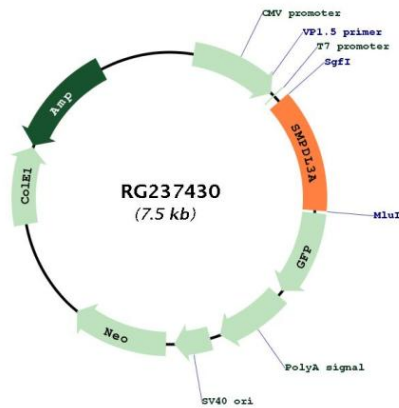
RefSeq Size: 1773 bp

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]

Product images:



Circular map for RG237430