

Product datasheet for **SC319522**

SMPDL3B (NM_001009568) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMPDL3B (NM_001009568) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMPDL3B
Synonyms:	ASML3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001009568.1
 GACGCCTTGGAGGACTTGGAACACCTGTAACAGGACAAGGAGTCCTGCTCCGGCACGTGG
 CCACAGAAAACACTTAGGAAGCCTGTGGTGAGAAACAACAACAGTGCCTGGAGAAATCCCA
 CGGCTCTGGGGAAGTGAGCCCCGAGGATGAGGCTGCTCGCTGGCTGATTTTCTGGCTA
 ACTGGGGAGGTGCCAGGGCTGAACCAGGGAAGTCTGGCACATCGCTGACCTGCACCTTG
 ACCCTGACTACAAGGTATCCAAAGACCCCTTCCAGGTGTGCCATCAGCTGGATCCCAGC
 CAGTGCCCGACGCAGGCCCTGGGGTACTACCTCTGTGATTCTCCCTGGGCCCTCATCA
 ACTCCTCCATCTATGCCATGAAGGAGATTGAGCCAGAGCCAGACTTCATTCTCTGGACTG
 GTGATGACACGCCTCATGTGCCGATGAGAAACTGGGAGAGGCAGCTGTACTGGAATTG
 TGGAACGCCTGACCAAGCTCATCAGAGAGGTCTTCCAGATACTAAAGTCTATGTGCTT
 TGGGAAATCATGATTTTACCCCAAAAACAGTCCCAGCTGGAAGTAACAACATCTACA
 ATCAGATAGCAGAACTATGGAACCCCTGGCTTAGTAATGAGTCCATCGCTCTTTCAAAA
 AAGGTGCCTTCTACTGTGAGAAGCTGCCGGTCCCAGCGGGCTGGGCGAATTGTGGTCC
 TCAACACCAATCTGACTATACCAGCAATGCGCTGACAGCAGACATGGCGGACCCTGGCC
 AGCAGTCCAGTGGCTGGAAGATGTGCTGACCGATGCATCCAAAGCTGGGGACATGGTGT
 ACATTGTCGGCCAGTGCCTCCGGGTTCTTTGAGAAGACGCAAAACAAGGCATGGTTCC
 GGGAGGGCTTCAATGAAAATACCTGAAGTGGTCCGGAAGCATCATCGCGTCATAGCAG
 GGCAGTCTTTCGGGCACCACCACCCGACAGCTTTCGGATGCTCTATGATGATGCAGGTG
 TCCCCATAAGCGCATGTTTCATCACACCTGGAGTACCCCATGGAAAACCACTTACCTG
 GAGTGGTCAATGGGGCAACAATCCAGCCATCCGGGTGTTCAATATGACCGAGCCACAC
 TGAGCCTGAAGGTGAGGAGTCTGCCGAGGCCAGAGGAGGAGGGTGGGAGGGCTTAAAT
 GCATCACACCTTCCCTCACTCTCAGCTTATCCACCTTCCCTGACCACTGAGCCTCAGG
 AAGTTGAGCTCCTTCCACCTTCTCCAGCTCAGGATCAGAACCCTGGAGGCACCTGCCA
 CCGAGTCAGGGCAGTGCCTCACCAAGTCACTTTTCCCTGGATGACTGTACAGCCTCA
 TACCTGGTCTCCCTGCCTCTGGCCTGCCTGCTATGGCCATCCGCTACACAAGAGAGA
 AGAAACTAATCTCTATAGCACCCTTTCATCTTGTCTCCGCTCTGCTCAAAAACCTTCA
 GTGGCTCCCCAGTGCCTTCAAGATAAAGTTGTGTCTCCTTGACCTAGTAAAAAAAAAAAA
 AAAAAA

Restriction Sites: Please inquire

ACCN: NM_001009568

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001009568.1</u> , <u>NP_001009568.1</u>
RefSeq Size:	1611 bp
RefSeq ORF:	1122 bp
Locus ID:	27293
UniProt ID:	<u>Q92485</u>
Cytogenetics:	1p35.3
Protein Families:	Secreted Protein
Gene Summary:	<p>Lipid-modulating phosphodiesterase (PubMed:26095358). Active on the surface of macrophages and dendritic cells and strongly influences macrophage lipid composition and membrane fluidity. Acts as a negative regulator of Toll-like receptor signaling (By similarity). Has in vitro phosphodiesterase activity, but the physiological substrate is unknown (PubMed:26095358). Lacks activity with phosphocholine-containing lipids, but can cleave CDP-choline, and can release phosphate from ATP and ADP (in vitro) (By similarity).</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>