

Recombinant Human SMPDL3B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SMPDL3B-3075H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SMPDL3B MS Standard C13 and N15-labeled recombinant protein (NP_001009568) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Lipid-modulating phosphodiesterase. 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. Has in vitro phosphodiesterase activity, but the physiological substrate is unknown. Lacks activity with phosphocholine-containing lipids, but can cleave CDP-choline, and can release phosphate from ATP and ADP (in vitro).
Molecular Mass	41.7 kDa
AA Sequence	MRLLAWLIFLANWGGARAEPGKFWHIADLHLDPDYKVS KDPFQVCPSAGSQPVPDA GPWGDYLCDSPWALINSSIAMKEIEPEPDFILWTGDDTPHPVDEKLGEAAVLEIVER LTKLIREVFPDTKVYAALGNHDFHPKNQFPAGSNNIYNQIAELWKPWLSNESIALFKK GAFYCEKLPGPSGAGRIVVLNTNLYYTSNALTADMADPGQQFQWLEDVLT DASKAG DMVYIVGHVPPGFFEKTQNKAWFREGFNEKYLKVVRKHHRVIAGQFFGHHHTDSFR MLYDDAGVPISAMFITPGVTPWKTTLPGVVNGANNPAIRVFEYDRATLSLKVRSPA E ARGGGWEGLKCITTFPHSQLIHLPLTTEPQEGTRTRPLEQKLISEEDLAANDILDYKD

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	DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

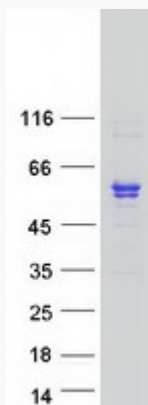
GENE INFORMATION

Gene Name	SMPDL3B sphingomyelin phosphodiesterase acid like 3B [Homo sapiens (human)]
Official Symbol	SMPDL3B
Synonyms	SMPDL3B; sphingomyelin phosphodiesterase, acid-like 3B; acid sphingomyelinase-like phosphodiesterase 3b; ASML3B; ASM-like phosphodiesterase 3b;
Gene ID	27293
mRNA Refseq	NM_001009568
Protein Refseq	NP_001009568
MIM	617737
UniProt ID	Q92485

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SDS-PAGE

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