

Recombinant Human SMPDL3B protein, His-tagged

Cat. No. SMPDL3B-2822H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMPDL3B protein(1-336 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-336 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MRLLAWLIFLANWGGARAEPGKFWHIADLHLDPDYKVS KDPFQVCPSAGSQPVPDA GPWGDYLCDSPWALINSS IYAMKEIEPEPDFILWTGDDTPHPDEKLGEAAVLEIVER LTKLIREVFPDTKVYAALGNHDFHPKNQFPAGSNNIYNQIAELWKPWLSNESIALFKK GAFYCEKLPGPSGAGRIVVLNTNLYYT SNALTADMADPGQQFQWLEDVLT DASKAG DMVYIVGHVPPGFF EKTQNKAWFREGFNEKYLKVV RKHHRVIAGQFFGHHHTDSFR MLYDDAGVPISAMFITPGVTPWKTTLPGVVNGANNPAIRVFEYDRATLSLKV
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

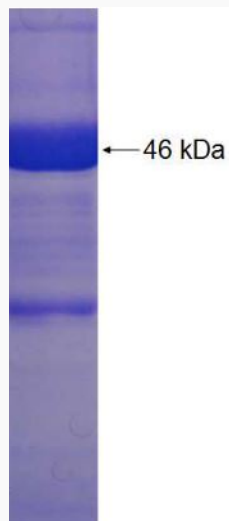
Gene Name	SMPDL3B sphingomyelin phosphodiesterase, acid-like 3B [Homo sapiens]
Official Symbol	SMPDL3B
Synonyms	SMPDL3B; sphingomyelin phosphodiesterase, acid-like 3B; acid sphingomyelinase-like phosphodiesterase 3b; ASML3B; ASM-like phosphodiesterase 3b;
Gene ID	27293
mRNA Refseq	NM_001009568
Protein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

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SDS-PAGE

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