

Recombinant Mouse Smpdl3b Protein, MYC/DDK-tagged

Cat. No. SMPDL3B-15644M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse sphingomyelin phosphodiesterase, acid-like 3B (Smpdl3b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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	51.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Smpdl3b sphingomyelin phosphodiesterase, acid-like 3B [Mus musculus (house mouse)]

Official Symbol Smpdl3b

Synonyms Smpdl3b; sphingomyelin phosphodiesterase, acid-like 3B; Asm; Asml3b; AU045240; 1110054A24Rik; acid sphingomyelinase-like phosphodiesterase 3b; ASM-like phosphodiesterase 3b

Gene ID 100340

mRNA Refseq NM_133888

Protein Refseq NP_598649

UniProt ID P58242

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