

Product datasheet for **TP507286**

Smpdl3b (NM_133888) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse sphingomyelin phosphodiesterase, acid-like 3B (Smpdl3b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR207286 protein sequence
Red=Cloning site **Green**=Tags(s)

MTLLGWLIFLAPWGVAGAQLGRFWHISDLHLDPNYTVSKDPLQVCPSAGSQPVLNAGPWGDYLCDSPWAL
INSSLYAMKEIEPKPDFILWTGDDTPHVPNESLGEAAVLAIVERLTNLIKEVFPDTKVYAAALGNHDFHPK
NQFPAQSNRIYNQVAELWRPWLSNESYALFKRGAFYSEKLPGPSRAGRVVVLTNLYSNNEQTAGMADP
GEQFRWLGDVLSNASRDGEMVYVIGHVPPGFFEKTQNKAWFRESFNEEYLKVIQKHHRVIAGQFFGHHHT
DSFRMFYDNTGAPINVMFLTPGVTPWKTTLPGVVDGANNP GIRIFEYDRATLNLKDLVITYFLNLRQANVQ
ETPRWEQEYRLTEAYQVPDASVSSMHTALTRIASEPHILQRYVVYNSVSYNHLTCEDESCRIEHVCAIQHV
AFNTYATCLHGLGAKLVPGFLLILTLPSLHVLEVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 51.6 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C after receiving vials.
Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: [NP_598649](#)
Locus ID: 100340



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UniProt ID: [P58242](#), [Q3TLX9](#)

RefSeq Size: 1925

Cytogenetics: 4 D2.3

RefSeq ORF: 1371

Synonyms: 1110054A24Rik; Asml3b; AU045240

Summary: Lipid-modulating phosphodiesterase. Active on the surface of macrophages and dendritic cells and strongly influences macrophage lipid composition and membrane fluidity (PubMed:26095358). Acts as a negative regulator of Toll-like receptor signaling (PubMed:26095358, PubMed:27687724). Has in vitro phosphodiesterase activity, but the physiological substrate is unknown (PubMed:26095358, PubMed:27687724). Lacks activity with phosphocholine-containing lipids, but can cleave CDP-choline, and can release phosphate from ATP and ADP (in vitro) (PubMed:27687724).[UniProtKB/Swiss-Prot Function]