

## Product datasheet for **TP304846L**

### **SMPDL3B (NM\_001009568) Human Recombinant Protein**

#### **Product data:**

|                              |  |
|------------------------------|--|
| <b>Product Type:</b>         | Recombinant Proteins   |
| <b>Description:</b>          | Recombinant protein of human sphingomyelin phosphodiesterase, acid-like 3B (SMPDL3B), transcript variant 2, 1 mg |
| <b>Species:</b>              | Human  |
| <b>Expression Host:</b>      | HEK293T  |
| <b>Expression cDNA</b>       | >RC204846 protein sequence   |
| <b>Clone or AA Sequence:</b> | Red=Cloning site Green=Tags(s)   |

MRLLAWLIFLANWGGARAEPGKFWHIADLHLDPDYKVKSDPFQVCPSAGSQVPDAGPWGDYLCDSPWAL  
INSSIAMKEIEPEPDFILWTGDDTPHVPDEKLGAAVLEIVERLTKLIREVFPDTKVYAALGNHDFHPK  
NQFPAGSNNIYNQIAELWKPWLSNESIALFKKGAFYCEKLPGPSGAGRIVLNTNLYYTSNALTADMADP  
GQQFQWLEDVLT DASKAGDMVYIVGHVPPGFFEKTQNKAWFREGFNEKYLKVVRKHHRVIAGQFFGHHHT  
DSFRMLYDDAGVPISAMFITPGVTPWKTTLPGVVNGANNPAIRVFEYDRATLSLKVRSPAEARGGGWEGL  
KCITTFPHSQLIHLPLTTEPQEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                       |  |
|-----------------------|--|
| <b>Tag:</b>           | C-Myc/DDK  |
| <b>Predicted MW:</b>  | 41.5 kDa   |
| <b>Concentration:</b> | >0.05 µg/µL as determined by microplate BCA method   |
| <b>Purity:</b>        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Buffer:</b>        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| <b>Preparation:</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| <b>Note:</b>          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| <b>Storage:</b>       | Store at -80°C.  |
| <b>Stability:</b>     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| <b>RefSeq:</b>        | <u><a href="#">NP_001009568</a></u>  |



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Locus ID: 27293

UniProt ID: [Q92485](#)

RefSeq Size: 1611

Cytogenetics: 1p35.3

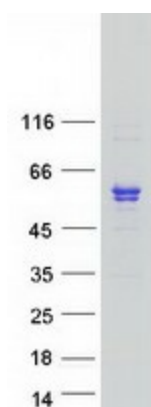
RefSeq ORF: 1119

Synonyms: ASML3B

**Summary:** 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).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Secreted Protein

### Product images:



Coomassie blue staining of purified SMPDL3B protein (Cat# [TP304846]). The protein was produced from HEK293T cells transfected with SMPDL3B cDNA clone (Cat# [RC204846]) using MegaTran 2.0 (Cat# [TT210002]).