

## Product datasheet for **TP509568**

### Smpd1 (NM\_011421) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Purified recombinant protein of Mouse sphingomyelin phosphodiesterase 1, acid lysosomal (Smpd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug  
**Species:** Mouse  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >MR209568 representing NM\_011421  
**Red**=Cloning site **Green**=Tags(s)

MPHHRASSGQDHLRAGWEQRLERSLPAPRVGLLWMGLGLALVLFDFSTVLWVPARAYPLPSEGHSVKFS  
AIAPPLQSAFGWQNLTPACKVLFALNHGLKKEPNVARVGSVAIKICKMLNIAPLDVCQSAVHLFEDDV  
VEVWTRSVLSPSEACGLLLGSSCGHWDIFSTWNISLPSVPPKPPKPPSPPAPGAPVSRVLFITDLHWDHE  
YLEGTDPYCADPLCCRRGSGWPPNSQKGAGFWGEYSKCDLPLRTLESLLKGLGPAAGPFEMVYWTGDIPAH  
DVWQQSRQDQLRALTTITDLVRKFLGPVPVYPAVGNHSTPVNGFPPPFKGNQSSQWLVEAMAKAWEPW  
LPADALHTLRIGGFYALTPRGLRLISLNMNFCRENFLLINSTDPAGQLQWLVEELQAAENRGDKVHI  
IGHIPPGHCLKSWSWNYKIIARYENTLAGQFFGHVDFEDEFYDEETLSRPLAVAFAPSATTFINLN  
PGYRVYQIDGNYPGSSHVLDHETIYLNLQANAAGGTPSWKRLYRARETYGLPDAMPASWHNLVYMRD  
DEQLFQTFWFLYHKGHPPEPCGTPCRLATLCAQLSARADSPALCRHLMPNGSLPDANRLWSRPLLC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK  
**Predicted MW:** 70.4 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.



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**RefSeq:** [NP\\_035551](#)  
**Locus ID:** 20597  
**UniProt ID:** [Q04519](#)  
**RefSeq Size:** 2430  
**Cytogenetics:** 7 55.9 cM  
**RefSeq ORF:** 1881  
**Synonyms:** A-SMase; ASM; aSMase; Zn-SMase  
**Summary:** Converts sphingomyelin to ceramide. Also has phospholipase C activities toward 1,2-diacylglycerolphosphocholine and 1,2-diacylglycerolphosphoglycerol.[UniProtKB/Swiss-Prot Function]