

Product datasheet for **TP506162**

Asah1 (NM_019734) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse N-acylsphingosine amidohydrolase 1 (Asah1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR206162 protein sequence
Red=Cloning site **Green**=Tags(s)

MRGQSLLTWVLA AAVTCAQAQDVPPWTEDCRKSTYPPSGPTYRGPVWPWHTINL DLPPYKRWHELLAQKAP
ALRILVNSITSLVNTFVPSGKLMKMDVQKLPGMIGSLPDPFGEEMRGIADVTG IPLGEIISFNIFYELFT
MCTSIITEDEKGHLLHGRNMDFGIFLGWNINNTWVTEELKPLTVNLDFQRNNKTVFKATSFVGYVGM L
TGFKPGLFSLSLNERFSINGGYLGILEWMFGRKDAQWVGFITRSVLENTTSYEEAKNTLT KTKIMAPVYF
ILGGKKS GEGCVITRERKESLDVYELDPKHGRWYVQTN YDRWKNTL FIDDRRTPAKKCLNHTTQKNLSF
ATIYDVLSTKPVLNKLT VFTTLM DVTKGQFESH LRDCPDPCIGW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 44.7 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_062708](#)

Locus ID: 11886

UniProt ID: [Q9WV54](#), [Q78P93](#)



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RefSeq Size: 2251

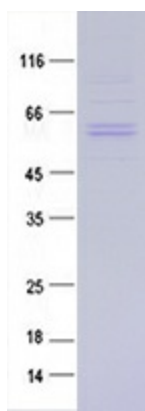
Cytogenetics: 8 A4

RefSeq ORF: 1185

Synonyms: 2310081N20Rik; AC; Asah

Summary: This gene encodes acid ceramidase, an enzyme that plays a central role in ceramide metabolism. The encoded protein undergoes proteolytic processing to generate a heterodimeric enzyme comprised of alpha and beta subunits that catalyzes the hydrolysis of sphingolipid ceramide into sphingosine and free fatty acid. The homozygous disruption of this gene leads to embryonic lethality in mice whereas the heterozygous animals exhibit a progressive lipid storage disease phenotype. [provided by RefSeq, Oct 2015]

Product images:



Coomassie blue staining of purified Asah1 protein (Cat# TP506162). The protein was produced from HEK293T cells transfected with Asah1 cDNA clone (Cat# [MR206162]) using MegaTran 2.0 (Cat# [TT210002]).