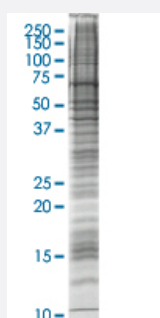


# ASAH1 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

Catalog # L146T6

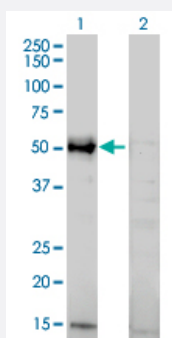
Size 100 ug

## Applications



### SDS-PAGE Gel

ASAHI transfected lysate



### Western Blot

Lane 1: ASAH1 transfected lysate ( 45 KDa).

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** HEK293

**Plasmid** pCMV-ASAH1 full length

**Host** Human

**Theoretical MW (kDa)** 45

**Lysis Buffer** Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.

**Concentration** 2 mg/ml

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-ASAH1 antibody ([H00000427-M01](#)) by Western Blots.  
SDS-PAGE Gel  
ASAH1 transfected lysate  
Western Blot  
Lane 1: ASAH1 transfected lysate ( 45 KDa).  
Lane 2: Non-transfected lysate.

**Recommend Usage**

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

**Storage Buffer**

In modified RIPA Lysis Buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

## Gene Info — ASAH1

Entrez GeneID [427](#)

GeneBank Accession# [NM\\_177924](#)

Protein Accession# [NP\\_808592](#)

Gene Name ASAH1

Gene Alias AC, ASAH, FLJ21558, FLJ22079, PHP, PHP32

Gene Description N-acylsphingosine amidohydrolase (acid ceramidase) 1

Omim ID [228000](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene encodes a heterodimeric protein consisting of a nonglycosylated alpha subunit and a glycosylated beta subunit that is cleaved to the mature enzyme posttranslationally. The encoded protein catalyzes the synthesis and degradation of ceramide into sphingosine and fatty acid. Mutations in this gene have been associated with a lysosomal storage disorder known as Farber disease. Multiple transcript variants encoding several distinct isoforms have been identified for this gene. [provided by RefSeq]

**Other Designations**

N-acylsphingosine amidohydrolase 1|OTTHUMP00000122482|acylsphingosine deacylase|putative 32 kDa heart protein

**Pathway**

- [Lysosome](#)
- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

**Disease**

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)