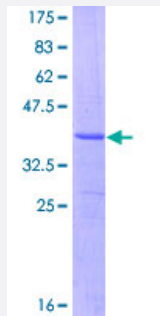


ASAHI (Human) Recombinant Protein (Q01)

Catalog # H00000427-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ASAH1 partial ORF (NP_808592, 25 a.a. - 124 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PPWTEDCRKSTYPPSGPTYRGAVPWYTINLDLPPYKRWHELMMLDKAPMLKVMNSLKNMINTFVPSGKVMQVVDEKLPGLLGNFPGPFEEEMKGIAAVTD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (74); Rat (79)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

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](#)