

Recombinant Human ASAH2 Cell Lysate, Myc/DDK-tagged

Cat. No. ASAH2-365HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Transient overexpression lysate of N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2 (ASAH2), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.

Preparation HEK293T cells in 10-cm dishes were transiently transfected with MegaTran Transfection Reagent and 5 µg TrueORF cDNA plasmid. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25 mM Tris-HCl pH7.6, 150 mM NaCl, 1% NP-40, 1 mM EDTA, 1xProteinase inhibitor cocktail mix, 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit. Cell lysates were aliquoted and stored at -20 centigrade before shipping.

Components:

- 1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer
- 1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer
- 1 vial of 250 µL 2xSDS Sample Buffer (4% SDS, 125 mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100 mM DTT)

Species Human

Source HEK293

Description

Ceramidases (EC 3.5.1.23), such as ASAH2, catalyze hydrolysis of the N-acyl linkage of ceramide, a second messenger in a variety of cellular events, to produce sphingosine. Sphingosine exerts both mitogenic and apoptosis-inducing activities, and its phosphorylated form functions as an intra- and intercellular second

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	messenger.
Molecular Mass	83.1 kDa
Stability	Avoid repeated freeze-thaw cycles.
Storage	Upon receiving, store the sample at -80 centigrade. Also after dilution, the protein sample should be aliquoted and stored at -80 centigrade for long term storage. Lysate samples are stable for 12 months from the date of receipt when stored at -80 centigrade.
Reconstitution	Lysate samples can be diluted with 2xSDS Sample Buffer provided.
Shipping	Dry ice

GENE INFORMATION

Gene Name	ASAH2 N-acylsphingosine amidohydrolase 2 [Homo sapiens (human)]
Official Symbol	ASAH2 N-acylsphingosine amidohydrolase 2 [Homo sapiens (human)]
Synonyms	ASAH2; N-acylsphingosine amidohydrolase 2; HNAC1; BCDase; LCDase; NCDase; N-CDase; neutral ceramidase; N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2; acylsphingosine deacylase 2; mitochondrial ceramidase; neutral/alkaline ceramidase; non-lysosomal ceramidase; EC 3.5.1.23
Gene ID	56624
mRNA Refseq	NM_019893
Protein Refseq	NP_063946

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MIM	611202
UniProt ID	Q9NR71

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