

Product Information

MemDX™ Membrane Protein Human ASAH2 (N-acylsphingosine amidohydrolase 2) Full

Length

Cat. No.: **MPC2115K**

This product is for research use only and is not intended for diagnostic use.

This product is a 85.5 kDa Human ASAH2 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ASAH2

Protein Length

Full length

Protein Class

Receptor

Molecular Weight

85.5 kDa

TMD

1

Sequence

MAKRTFSNLETFLIFLLVMMSAITVALLSLLFITSGTIENHKDLGGHFFS
TTQSPPATQGGSTAAQRSTATQHSTATQSSTATQTSPVPLTPESPLFQNFS
GYHIGVGRADCTGQVADINLMGYGKSGQNAQGILTRYSAFIMAEPDGS
NRTVFVVSIDIGMVSQRLRLLEVLNRLQSKYGSLYRRDNVILSGTHTHSGPA
GYFYQTVFVIASEGFSNQTFQHMVTGILKSIDIAHTNMKPGKIFINKGNV
DGVQINRSPYSYLQNPQSERARYSSNTDKEMIVLKMVDLNGDDLGLISWF
AIHPVSMNNSNHLVNSDNVGYASYLLEQEKNKGYPGQGPVAAFASSNL
GDVSPNILGPCINTGESCDNANSTCPIGGPSMCIAGPGQDMFDSTQII
GRAMYQRAKELYASASQEVGTGLASAHQWVDMTDVTVWLNSTHASKTCKP
ALGYSFAAGTIDGVGGLNFTQGKTEGDPFWDITRDQILGKPSEEIKECHK
PKPILLHTGELSKPHPWHPDIVDVQIITLGLSLAITAIPGEFTTMSGRRRLR
EAVQAEFASHGMQNMTVVISGLCNVYTHYITTYEEYQAQRYEAASTIYGP
HTLSAYIQLFRNLAKAIATDTVANLSRGPEPPFFKQLIVPLIPSIVDRAP
KGRTFGDVLQPAKPEYRVGEVAEIVFGANPKNSVQNQTHQTFLTVEKYE
ATSTSWQIVCNDASWETRFYWHKGLLGLSNATVEWHIPDTAQPGIYRIRY
FGHNRKQDILKPAVILSFEGTSPAFEVVTI

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ASAH2

Full Name

N-acylsphingosine amidohydrolase 2

Introduction

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 messenger (see MIM 603730).

Alternative Names

ASAH2; 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; N-acylsphingosine amidohydrolase 2

Gene ID

[56624](#)

UniProt ID

[Q9NR71](#)