OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC226789L1V

ASAH2 (NM_001143974) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ASAH2 (NM_001143974) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ASAH2
Synonyms:	BCDase; HNAC1; LCDase; N-CDase; NCDase
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001143974
ORF Size:	2235 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC226789).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001143974.1
RefSeq Size:	2327 bp
RefSeq ORF:	2238 bp
Locus ID:	56624
UniProt ID:	Q9NR71
Cytogenetics:	10q11.23
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, Sphingolipid metabolism

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MW: 82.2 kDa

Gene Summary: 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) (Mitsutake et al., 2001 [PubMed 11328816]).[supplied by OMIM, Mar 2008]