

#### **OriGene Technologies, Inc.**

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# Product datasheet for RC228134

### Aspartate beta hydroxylase (ASPH) (NM\_001164756) Human Tagged ORF Clone

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aspartate beta hydroxylase (ASPH) (NM_001164756) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aspartate beta hydroxylase
Synonyms:	AAH; BAH; CASQ2BP1; FDLAB; HAAH; JCTN; junctin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC228134 representing NM_001164756 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCCCAGCGTAAGAATGCCAAGAGCAGCGGCAACAGCAGCAGCAGCAGCGGCTCCGGCAGCGGTAGCACGA GTGCGGGCAGCAGCAGCCCCGGGGCCCGGAAGAGAGAGACAAAGCATGGAGGACAAAAGGACGGAGAAAGG CGGACTCTCAGGAACTTCATTCTTCACGTGGTTTATGGTGATTGCATTGCATGGCGCGTCTGGACATCTGTA GCTGTCGTTTGGTTTG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	<pre>&gt;RC228134 representing NM_001164756 Red=Cloning site Green=Tags(s)</pre>
	MAQRKNAKSSGNSSSSGSGSGSGSTSAGSSSPGARRETKHGGHKNGRKGGLSGTSFFTWFMVIALLGVWTSV AVVWFDLVDYEEVLAKAKDFRYNLSEVLQGKLGIYDADGDGDFDVDDAKVLLGLTKDGSNENIDSLEEVL NILAEESSDWFYGFLSFLYDIMTPFEMLEEEEESETADGVDGTSQNEGVQGKTCVILDLHNQ
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



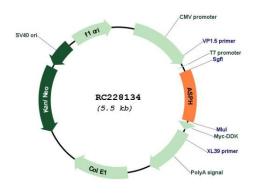
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US Science Aspartate beta hydroxylase (ASPH) (NM\_001164756) Human Tagged ORF Clone – RC228134 Aspartate beta hydroxylase (ASPH) (NM\_001164756) Human Tagged ORF Clone – RC228134



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	Aspartate beta hydroxylase (ASPH) (NM_001164756) Human Tagged ORF Clone – RC228134
UniProt ID:	<u>Q12797</u>
Cytogenetics:	8q12.3
Protein Families	Druggable Genome, Transmembrane
MW:	21.8 kDa
Gene Summary:	This gene is thought to play an important role in calcium homeostasis. The gene is expressed from two promoters and undergoes extensive alternative splicing. The encoded set of proteins share varying amounts of overlap near their N-termini but have substantial variations in their C-terminal domains resulting in distinct functional properties. The longest isoforms (a and f) include a C-terminal Aspartyl/Asparaginyl beta-hydroxylase domain that hydroxylates aspartic acid or asparagine residues in the epidermal growth factor (EGF)-like domains of some proteins, including protein C, coagulation factors VII, IX, and X, and the complement factors C1R and C1S. Other isoforms are found in complexes with calsequestrin, triadin, and the ryanodine receptor, and have been localized to the endoplasmic and sarcoplasmic reticulum. Some of these isoforms are found in complexes with calsequestrin, triadin, and the ryanodine receptor, and have been implicated in metastasis. [provided by RefSeq, Sep 2009]

## Product images:



Circular map for RC228134

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