

Product datasheet for SC210271

Aspartate beta hydroxylase (ASPH) (NM_001164756) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Aspartate beta hydroxylase (ASPH) (NM_001164756) Human 3' UTR Clone
Symbol:	Aspartate beta hydroxylase
Synonyms:	AAH; BAH; CASQ2BP1; FDLAB; HAAH; JCTN; junctin
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001164756
Insert Size:	846 bp
Insert Sequence:	>SC210271 3'UTR clone of NM_001164756 The sequence shown below is from the reference sequence of NM_001164756. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGTGTCATATTGGATTTACATAACCAGTAACCTTGATTTCAGGGACTGAAGTCATTGGCTAATGAACACC
TGAAGCAGCCTCCTTTTTCTTTCTTTCTTTGGCTTATGCAGGGCTTAATGTGCAGTGGGGTGGTTGTG
ATCTTACCGTGCAAGTCAACCATGTGATCTTGCCAGTACAGCTACTAGCTAGTCCCTTGCTCGCTCAG
CTCCCCAACTTCTATTGAAGAAAATGGTACTCCTCATTCTGTAGTCAGCTACAAGTACTGAAAA
TGATGTTCTTGGTGGTATAATTGGTTTCTGTATCGTTTTGTTCAACTCATGTATTCACTGAACTAAT
TTGGACACTTAACAGCAAATTGTGTTGTGGTTAACCCCTTGATGCTTGTCTTTCTAACACACTATTAAT
ATGATGATTCTAATGGATTTATTATAAAAAATTTCTGGCATGATTTTTAAGTTAAATGCTTCTCTGT
TCTTTAACATGACTGATGTATAAAATGATGGTTCTTTACTAAGCTGATATTTTTATTGTAATTTGTTT
AGGTTTGTGAGATAGGTTACATAAAATTTCTATGTAAAATTTCTGTGTTAATGGTCTTTTAAAAAAT
TAAAAATAACTCCATGTTTTGCCTTAGAGTAAGTTAACTTACTGTTTTTCTAGATAGTACATGACATAT
TTCTGTCTGTGAAAGCAAATTTATTTTAAATTTATTTTCCAAATATACATCCAGAGAAAGTAATTTGT
ATTTTTTTTAAAGTAGGCATATTACACAAGAGGGAACATGTGAATATGTATCTTAATGTTGTACATATT
AAAATTATTCATCCTAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites: Sgfl-Mlul



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001164756.2
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 differ primarily in the C-terminal sequence and lack the hydroxylase domain, and some 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 shown to regulate calcium release from the sarcoplasmic reticulum. Some isoforms have been implicated in metastasis. [provided by RefSeq, Sep 2009]
Locus ID:	444
MW:	33.2