

Product datasheet for **SC203193**

ABHD12 (NM_015600) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ABHD12 (NM_015600) Human 3' UTR Clone
Symbol:	ABHD12
Synonyms:	ABHD12A; BEM46L2; C20orf22; dj965G21.2; hABHD12; PHARC
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_015600
Insert Size:	260 bp
Insert Sequence:	>SC203193 3'UTR clone of NM_015600 The sequence shown below is from the reference sequence of NM_015600. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC GATCCCAGCATGTGGTCAGAGCTGGT GTGA CTGAAGCCAACAGGTGACACGGTCATCGAAGAGCAGCAG ACAAAATAAACTAACCCAAAGGCAGCTGAAAGTGGAGGGCAGGTGAATCCCAGCCCTCGCCGGATT CAACTTTTGCCAACGGTGAAGAACTGCCCTGAGCTGCAAACCTTACAAAGTCTGTAACCTAGATAAAC CATACCATGTGCTAACTGCACTGAAATAAAACACTAACTACATTATAATGTCA ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
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:	<u>NM_015600.5</u>



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Summary:

This gene encodes an enzyme that catalyzes the hydrolysis of 2-arachidonoyl glycerol (2-AG), the main endocannabinoid lipid transmitter that acts on cannabinoid receptors, CB1 and CB2. The endocannabinoid system is involved in a wide range of physiological processes, including neurotransmission, mood, appetite, pain appreciation, addiction behavior, and inflammation. Mutations in this gene are associated with the neurodegenerative disease, PHARC (polyneuropathy, hearing loss, ataxia, retinitis pigmentosa, and cataract), resulting from an inborn error of endocannabinoid metabolism. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jan 2011]

Locus ID:

26090

MW:

9.9