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Product datasheet for SC125311

BID (NM_001196) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BID (NM_001196) Human Untagged Clone
Tag:	Tag Free
Symbol:	BID
Synonyms:	FP497
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001196, the custom clone sequence may differ by one or more nucleotides

ATGGACTGTGAGGTCAACAACGGTTCCAGCCTCAGGGATGAGTGCATCACAAACCTACTGGTGTTTGGCT
TCCTCCAAAGCTGTTCTGACAACAGCTTCCGCAGAGAGCTGGACGCACTGGGCCACGAGCTGCCAGTGCT
GGCTCCCCAGTGGGAGGGCTACGATGAGCTGCAGACTGATGGCAACCGCAGCAGCCACTCCCGCTTGGGA
AGAATAGAGGCAGATTCTGAAAGTCAAGAAGACATCATCCGGAATATTGCCAGGCACCTCGCCCAGGTCG
GGGACAGCATGGACCGTAGCATCCCTCCGGGCCTGGTGAACGGCCTGGCCCTGCAGCTCAGGAACACCAG
CCGGTCGGAGGAGGACCGGAACAGGGACCTGGCCACTGCCCTGGAGCAGCTGCTGCAGGCCTACCCTAGA
GACATGGAGAAGGAGAAGACCATGCTGGTGCTGGCCCTGCTGCTGGCCAAGAAGGTGGCCAGTCACACGC
CGTCCTTGCTCCGTGATGTCTTTCACACAACAGTGAATTTTATTAACCAGAACCTACGCACCTACGTGAG
GAGCTTAGCCAGAAATGGGATGGACTGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001196 unedited AAAAAGTTCAGACTTTTAAACGACTCCTTAAGGCGGCCGCCATTCGCACGAGCGAGGGCC CGGCCCGCTGNAGAGCACAGTGCGGGTTCTGTCGCCACTGGGACACTGTGAACCAGAGTG AGTCCGAGCTGCCGCGCTGCCCATGCCATGGGACTGTGAGGTCAACAACGGTTCCAGCCT CAGGGGATGAGTGCATCACAAACCTACTGGTGTTTGGCTTCCTCCAAAGCTTGTTCTGAC AACAGCTTCCGCAGAGAGCTGGACGCACTGGGCCACGAGCTGCCAGTGCTGGCTCCCCAG TGGGAGGGCTACCATGAGCTGCAGACTGATGGCAACCGCAGCAGCCACTCCCGCTTGGGA AGAATAGAGGCAGATTCTGAAAGTCAAGAAGACATCATCCGGAATATTGCCAGGCACCTC GCCCAGGTCGGGGACAGCATGGACCGTAGCATCCCTCCGGGCCTGGTGAACGGGCTGGCC CTGCAGCTCAGGAACACCANCCGGTCGGAGGAGGACCGGAACAGGGACCTGGCCACTGGC CTGGAGCANCTGCTGCANGCCTACCCTANAGACATGGAGAAGGAGAAGACCATGCTGGTG CTGGCCCTGCTGCTGGCCAANNAAGTGGCCAGTCACACGCCGTCCTTGCTCCGTGATGTC TTTCACACAACAGTGAATTTTATTAACCAGAACCTACGCACCTACGTGAGGAGCTTAACC ANAATGGGATGGACTGAACGGACAGTTCCAAAAGTGTGACTGGCTAAAGCTCGATGTGGT CACAGCTGTATAGCTGCTTCCCATGTANNACGAGCCCTGGCATGTGAACAGCGTTTCCTA GAAAAAACAGCTGGGAGATAACTGTGACTTCTATTTTAAAGACATGGTGAAACTATNACC CATT
Restriction Sites:	NotI-NotI
ACCN:	NM_001196
Insert Size:	2290 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001196.2, NP_001187.1
RefSeq Size:	2214 bp
RefSeq ORF:	588 bp
Locus ID:	637
UniProt ID:	P55957
Cytogenetics:	22q11.21
Protein Families:	Druggable Genome

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Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Natural killer cell mediated cytotoxicity, p53 signaling pathway, Pathways in cancer, Viral myocarditis

Gene Summary: This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2, and thus regulate apoptosis. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release. Multiple alternatively spliced transcript variants have been found. [provided by RefSeq, Aug 2020]
Transcript Variant: This variant (2) has an alternate 5' exon and uses a downstream in-frame start codon, as compared to variant 1. The encoded isoform 2 thus has a shorter N-terminus, as compared to isoform 1.

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