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Product datasheet for SC107715

BID (NM_197966) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BID (NM_197966) Human Untagged Clone
Tag:	Tag Free
Symbol:	BID
Synonyms:	FP497
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Neo
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_197966 edited
GAATTCGGCAACGAGGGGCCACCCTTGCCGGCGGATCGGAATCCCCGCCCACACCGTGGT
CTTTCCAGCACCGCAGACACCTGCCGGCTCCTCCCGAGCGGAGCTCAGGGCTGACAAAGC
GCGGTCAGAGCGGCCGCTTACTGGGGCTCGCCCGCTCCTTAGAGCACTGGCAATGATGTG
CGGATCCTCGCTGCTGCTGCTGGGAAACTGTTGAGTGGCTGAATGACCCCAGGGGACCCT
GGGAGAGCTCTGAAGCCCTCAGCCACCAAGTGGCTGGGCTGGCAAGGGTTCATTCATTCA
TTCAACAAATACGAATGTGCAGCGGTGCTGGGGTCATGATGGCTCGGTGGGCAGCGAGGG
GCCGGGCCGGCTGGAGGAGCACAGTGCGGATTCTGTCGCCACTGGGACACTGTGAACCAG
GAGTGAGTCGGAGCTGCCGCGCTGCCCAGGCCATGGACTGTGAGGTCAACAACGGTTCCA
GCCTCAGGGATGAGTGCATCACAAACCTACTGGTGTTTGGCTTCCTCCAAAGCTGTTCTG
ACAACAGCTTCCGCAGAGAGCTGGACGCACTGGGCCACGAGCTGCCAGTGCTGGCTCCCC
AGTGGGAGGGCTACGATGAGCTGCAGACTGATGGCAACCGCAGCAGCCACTCCCGCTTGG
GAAGAATAGAGGCAGATTCTGAAAGTCAAGAAGACATCATCCGGAATATTGCCAGGCACC
TCGCCCAGGTCGGGGACAGCATGGACCGTAGCATCCCTCCGGGCCTGGTGAACGGCCTGG
CCCTGCAGCTCAGGAACACCAGCCGGTCGGAGGAGGACCGGAACAGGGACCTGGCCACTG
CCCTGGAGCAGCTGCTGCAGGCCTACCCTAGAGACATGGAGAAGGAGAAGACCATGCTGG
TGCTGGCCCTGCTGCTGGCCAAGAAGGTGGCCAGTCACACGCCGTCCTTGCTCCGTGATG
TCTTTCACACAACAGTGAATTTTATTAACCAGAACCTACGCACCTACGTGAGGAGCTTAG
CCAGAAATGGGATGGACTGAACGGACAGTTCCAGAAGTGTGACTGGCTAAAGCTCGATGT
GGTCACAGCTGTATAGCTGCTTCCAGTGTAGACGGAGCCCTGGCATGTCAACAGCGTTCC
TAGAGAAGACAGGCTGGAAGATAGCTGTGACTTCTATTTTAAAGACAATGTTAAACTTAT
AACCCACTTTAAAATATCTACATTAATATACTTGAATGAAAATGTCAAAAAAAAAAAAAA
AAAACTCGAC

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_197966 unedited
NGGGGAAAATTTGTATACGACTCACTATAGGGGCGGCCGCGAATCGGCAACGAGGGGCCA
CCCTTGCCGGCGGATCGGAATCCCCGCCCACACCGTGGTCTTTCCAGCACCGCAGACACC
TGCCGGCTCCTCCCGAGCGGAGCTCAGGGCTGACAAAGCGCGGTCAGAGCGGCCGCTTAC
TGGGGCTCGCCCGCTCCTTAGAGCACTGGCAATGATGTGCGGATCCTCGCTGCTGCTGCT
GGGAAACTGTTGAGTGGCTGAATGACCCCAGGGGACCCTGGGAGAGCTCTGAAGCCCTCA
GCCACCAAGTGGCTGGGCTGGCAAGGGTTCATTCATTCATTCAACAAATACGAATGTGCA
GCGGTGCTGGGGTCATGATGGCTCGGTGGGCAGCGAGGGGCCGGGCCGGCTGGAGGAGCA
CAGTGCGGATTCTGTCGCCACTGGGACACTGTGAACCAGGAGTGAGTCGGAGCTGCCGCG
CTGCCCAGGCCATGGACTGTGAGGTCAACAACGGTTCCAGCCTCAGGGATGAGTGCATCA
CAAACCTACTGGTGTTTGGCTTCCTCCAAAGCTGTTCTGACAACAGCTTCCGCAGAGAGC
TGGACGCACTGGGCCACGAGCTGCCAGTGCTGGCTCCCCAGTGGGAGGGCTACGATGAGC
TGCAGACTGATGGCAACCGCAGCAGCCACTCCCGCTTGGGAAGATAGAGGCAGATTCTTG
AAGTCAAGAAGACCTCATCCGGAATATTGCCCAGCACCCTCGCCCAGGTCGGGGACAGCA
TGGACCCGGACATCCCCTCCGGGCCCGGTGGACCGGGCTGCCCTGGCGCTTAAGAACACC
ACCCCGGCCGGAGGGAGACCGGAACACGGGACCTGCCCACTGCCCTGGGACACCTGCTGC
AGGCCTAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_197966 unedited
NTTTTACTCTGGNACCGCGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTGACA
TTTTCATTCAAGTATATTAATGTAGATATTTTAAAGTGGGTTATAAGTTTAACATTGTCT
TTAAAATAGAAGTCACAGCTATCTTCCAGCCTGTCTTCTCTAGGAACGCTGTTGACATGC
CAGGGCTCCGTCTACACTGGAAGCAGCTATACAGCTGTGACCACATCGAGCTTTAGCCAG
TCACACTTCTGGAACTGTCCGTTCAGTCCATCCCATTTCTGGCTAAGCTCCTCACGTAGG
TGCGTAGGTTCTGGTTAATAAAATTCACTGTTGTGTGAAAGACATCACGGAGCAAGGACG
GCGTGTGACTGGCCACCTTCTTGGCCAGCAGCAGGGCCAGCACCAGCATGGTCTTCTCCT
TCTCCATGTCTCTAGGGTAGGCCTGCAGCAGCTGCTCCAGGGCAGTGGCCAGGTCCCTGT
TCCGGTCCTCCTCCGACCGGCTGGTGTTCCTGAGCTGCAGGGCCAGGCCGTTCACCAGGC
CCGGAGGGATGCTACGGTCCATGCTGTCCCCGACCTGGGCGAGGTGCCTGGCAATATTCC
GGATGATGTCTTCTTGACTTTCAGAATCTGCCTCTATTCTTCCCAAGCGGGAGTGGCTGC
TGCGGTTGCCATCAGTCTGCAGCTCATCGTAGCCCTCCCACTGGGGAGCCAGCACTGGCA
GCTCGTGGCCCAGTGCGTCCAGCTCTCTGCGGAAGCTGTTGTCAGAACAGCTTTGGAGGA
AGCAAACCCAGTAGGGTTTGTGATGCACTCATCCCTGGAGCTGAAACCGGTTGGTGACCT
CCCAGGTCATGGCCTGGGCAGCGCCGCAGCCTCGACTCACTCTGGGTCACAGGGTCCCCA
GGGGCGACAGA

Restriction Sites: NotI-NotI

ACCN: NM_197966

Insert Size: 1660 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_197966.1, NP_932070.1
RefSeq Size:	2506 bp
RefSeq ORF:	726 bp
Locus ID:	637
UniProt ID:	P55957
Cytogenetics:	22q11.21
Protein Families:	Druggable Genome
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 (1) represents the longest transcript and encodes the longest isoform (1).