

## Product datasheet for **RG233408**

### **BID (NM\_001244567) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BID (NM\_001244567) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** BID  
**Synonyms:** FP497  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG233408 representing NM\_001244567  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACTGTGAGGTCAACAACGGTTCAGCCTCAGGGATGAGTGCATCACAAACCTACTGGTGTGGCT  
 TCCTCAAAGCTGTTCTGACAACAGCTCCGCAGAGAGCTGGACGCACTGGCCACGAGCTGCCAGTGCT  
 GGCTCCCCAGTGGGAGGGCTACGATGAGCTGCAGACTGATGGCAACCGCAGCAGCCACTCCCGTTGGGA  
 AGAATAGAGGCAGATTCTGAAAGTCAAGAAGACATCATCCGGAATATTGCCAGGCACCTCGCCCAGGTCCG  
 GGGACAGCATGGACCGTAGCATCCCTCCGGCCTGGTGAACGGCCTGGCCCTGCAGCTCAGGAACACCAG  
 CCGGTCGGAGGAGGACCGGAACAGGGACCTGGCCACTGCCCTGGAGCAGCTGCTGCAGGCCATCCCTAGA  
 GACATGGAGAAGGAGAAGACCATGCTGGTGTGGCCCTGCTGCTGGCCAAGAAGGTGGCCAGTCACACGC  
 CGTCCTTGCTCCGTGATGCTTTTACACAACAGTGAATTTTAAACCAGAACCTACGCACCTACGTGAG  
 GAGCTTAGCCAGAAATGGGATGGAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG233408 representing NM\_001244567  
 Red=Cloning site Green=Tags(s)

MDCEVNNGSSLRDECITNLLVFGFLQSCSDNSFRRELDALGHLPVLPQWEGYDELQTDGNRSSHRLG  
 RIEADSESEQEDIIRNIARHLAQVGDSDRSIPPGLVNLALQLRNTSRSEEDRNRDLATALEQLLQAYPR  
 DMEKEKTMVLVALLLAKKVASHTPSLLRDVFHTTVNFINQLRITYVRSRLARNGMD

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001244567.1, NP_001231496.1</u>
<b>RefSeq Size:</b>	2128 bp
<b>RefSeq ORF:</b>	588 bp
<b>Locus ID:</b>	637
<b>UniProt ID:</b>	<u>P55957</u>
<b>Cytogenetics:</b>	22q11.21
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Natural killer cell mediated cytotoxicity, p53 signaling pathway, Pathways in cancer, Viral myocarditis
<b>Gene Summary:</b>	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]