

## Product datasheet for **RG205856**

### DBPA (YBX3) (NM\_003651) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DBPA (YBX3) (NM_003651) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DBPA
Synonyms:	CSDA; CSDA1; DBPA; ZONAB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205856 representing NM_003651 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGAGGCGGGCGAGGCCACCACCACCACCACCACCACCCTCCCGCAGGCTCCGACGGAGGCGGCCG  
CCGCGGCTCCCCAGGACCCCGCGCCAAGAGCCCGGTGGGACGCGGTGCGCCCCAGGCCGCGGCCCGCCG  
GCCCGCCGCCACGTCGCAGGAAACCCCGGTGGGACGCGGCCCGCAGCCACGGGCACCGCGGCCCGC  
GCCTCTTAGCCCGCCCGCCGCGCAGCGAAGACGCGGAGAAAAAGTTCTCGCCACCAAAGTCCTTGGA  
CTGTCAAATGGTTCAACGTCAGAAATGGATATGGATTTATAAATCGAAATGACACCAAAGAAGATGTATT  
TGTACATCAGACTGCCATCAAGAAGAATAACCCACGGAATATCTGCGCAGTGTAGGAGATGGAGAACT  
GTAGAGTTTGATGTGGTTGAAGGAGAGAAGGTTGCAAGCTGCCAATGTGACTGGCCCGGATGGAGTTC  
CTGTGGAAGGGAGTCGTTACGCTGCAGATCGGCGCCGTTACAGACGTGGCTACTATGGAAGGCGCCGTGG  
CCCTCCCCGGAATTACGCTGGGGAGGAGGAGGAGGAAGGGAGCGGCAGCAGTGAAGGATTTGACCCCTT  
GCCACTGATAGGCAGTTCTCTGGGGCCCGGAATCAGCTGCGCCGCCCCAGTATCGCCCTCAGTACCGGC  
AGCGGCGGTTCCCGCCTTACCACGTGGGACAGACCTTTGACCGTCGCTCACGGGTCTTACCCCATCCAA  
CAGAATACAGGCTGGTGAGATTGGAGAGATGAAGGATGGAGTCCCAGAGGGAGCACAACCTCAGGGACCG  
GTTTCATCGAAATCCAACCTTACCGCCAAGGTACCGTAGCAGGGACCTCCTCGCCACGACCTGCCCGAG  
CAGTTGGAGAGGCTGAAGATAAAGAAAATCAGCAAGCCACAGTGGTCCAACCAGCCGCTCTGTTGCGCCG  
TGGATATCGGCGTCCCTACAATTACCGCGTCGCGCCGCTCCTCCTAACGCTCCTTCACAAGATGGCAAA  
GAGGCCAAGGCAGGTGAAGCACCAACTGAGAACCCTGCTCCACCCACCCAGCAGAGCAGTGTGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205856 representing NM\_003651  
 Red=Cloning site Green=Tags(s)

MSEAGEATTTTTTLTPQAPTEAAAAAPQDPAPKSPVGSQAPAAAAPAAHVAGNPGGDAAPAATGTAAA  
 ASLAAAAGSEDAEKKVLATKVLGTVKWFNVRNGYGF INRNDTKEDVFVHQTAIKKNNPRKYLRSVGDGET  
 VEFDVVEGEKGAEANVTGPDGVPVEGSRYAADRRRYRRGYGRRRGPPRNYAGEEEEEEGSGSSEGFDDP  
 ATDRQFSGARNQLRRPQYRQYRQRRFPYHVQTFDRRSRVLPHPNRIQAGEIGEMKDGVPEGAQLQGP  
 VHRNPTYRPRYSRGP RPRPAPAVGEAEDKENQQATSGPNQPSVRRGYRRPYNYRRRPPPNAPSQDGK  
 EAKAGEAPTENPAPPTQQSSAE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003651

**ORF Size:** 1116 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_003651.3](#), [NP\\_003642.2](#)

**RefSeq Size:** 1931 bp

**RefSeq ORF:** 1119 bp

**Locus ID:** 8531

**UniProt ID:** [P16989](#)

**Cytogenetics:** 12p13.2

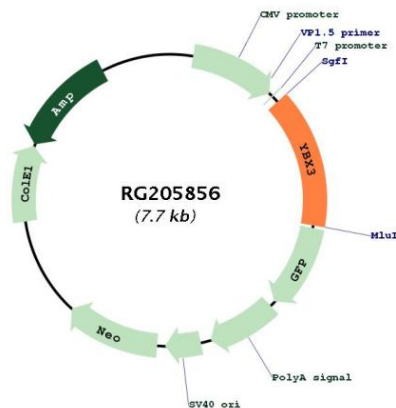
**Domains:** CSD

**Protein Families:** Transcription Factors

**Protein Pathways:** Tight junction

**Gene Summary:** Binds to the GM-CSF promoter. Seems to act as a repressor. Binds also to full-length mRNA and to short RNA sequences containing the consensus site 5'-UCCAUCA-3'. May have a role in translation repression (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG205856