

## Product datasheet for **RG227614**

### DBPA (YBX3) (NM\_001145426) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DBPA (YBX3) (NM\_001145426) 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:** >RG227614 representing NM\_001145426  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGTGAGGCGGGGAGGCCACCACCACCACCACCACCACCCTCCCGCAGGCTCCGACGGAGGCGGCCG  
CCGCGGCTCCCCAGGACCCCGCGCCCAAGAGCCCGGTGGGCAGCGGTGCGCCCCAGGCCGCGGCCCGCCG  
GCCCGCCGCCACGTCGCAGGAAACCCCGGTGGGACGCGGCCCGCAGCCACGGGCACCGCGGCCCGCC  
GCCTCTTAGCCCGCCCGCCGCGCAGCGAAGACGCGGAGAAAAAAGTTCTCGCCACCAAAGTCCTTGGA  
CTGTCAAATGGTTCAACGTCAGAAATGGATATGGATTTATAAATCGAAATGACACCAAAGAAGATGTATT  
TGTACATCAGACTGCCATCAAGAAGAATAACCCACGGAATATCTGCGCAGTCTAGGAGATGGAGAACT  
GTAGAGTTTGATGTGGTTGAAGGAGAGAAGGGTGCAGAAGCTGCCAATGTGACTGGCCCGGATGGAGTTC  
CTGTGGAAGGGAGTCGTTACGCTGCAGATCGGCGCCGTTACAGACGTGGCTACTATGGAAGGCGCCGTGG  
CCCTCCCCGGAATGCTGGTGAGATTGGAGAGATGAAGGATGGAGTCCCAGAGGGAGCACAACTTCAGGGA  
CCGTTTCATCGAAATCCAATTACCGCCCAAGGTACCGTAGCAGGGGACCTCCTCGCCACGACCTGCC  
CAGCAGTTGGAGAGGCTGAAGATAAAGAAAATCAGCAAGCCACCAGTGGTCCAAACCAGCCGTCTGTTCC  
CCGTGGATATCGGCGTCCCTACAATTACCGCGCTCGCCCGCGTCTCCTAACGCTCCTTCACAAGATGCC  
AAAGAGCCAAGGCAGGTGAAGCACCAACTGAGAACCCTGCTCCACCCACCCAGCAGAGCAGTGTGAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG227614 representing NM\_001145426  
Red=Cloning site Green=Tags(s)

MSEAGEATTTTTTLTPQAPTEAAAAAPQDPAPKSPVGSQAPAAAAPAAHVAGNPGGDAAPAATGTAAA  
 ASLAAAAGSEDAEKKVLATKVLGTVKWFNVRNGYGF INRNDTKEDVFVHQTAIKKNPRKYLRLSLGDGET  
 VEFDDVVEGEKGAEANVTGPDGVPVEGSRYAADRRRYRRGYRRRGPPRNAGE I GEMKDGVPEGAQLQG  
 PVHRNPTYRPRYRSRGP RPRPAPAVGEAEDKENQQATSGPNQPSVRRGYRRPYNYRRRPPNAPSQDG  
 KEAKAGEAPTENPAPTQSSAE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001145426

**ORF Size:** 909 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\\_001145426.1](#), [NP\\_001138898.1](#)

**RefSeq Size:** 1769 bp

**RefSeq ORF:** 912 bp

**Locus ID:** 8531

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

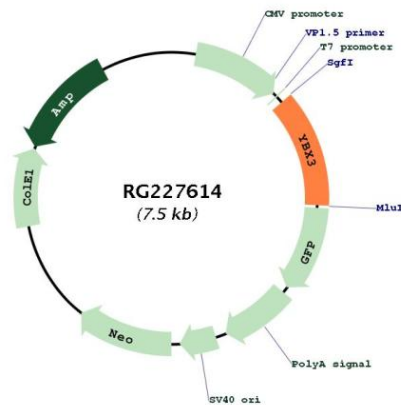
**Cytogenetics:** 12p13.2

**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 RG227614