

Product datasheet for RC227614

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: Myc-DDK
Symbol: DBPA
Synonyms: CSDA; CSDA1; DBPA; ZONAB
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC227614 representing NM_001145426
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTGAGGCGGGGAGGCCACCACCACCACCACCACCACCCTCCCGCAGGCTCCGACGGAGGCGGCCG
 CCGCGGCTCCCCAGGACCCCGCGCCCAAGAGCCCGGTGGGACGCGTCCGCCCCAGGCCGCGCCCGCCG
 GCCCGCCGCCACGTCGCAGGAAACCCCGGTGGGACGCGGCCCGCAGCCACGGGCACCGCGGCCGCC
 GCCTCTTAGCCCGCCCGCCGCGCAGCGAAGACGCGGAGAAAAAAGTTCTCGCCACCAAAGTCCTTGGA
 CTGTCAAATGGTTCAACGTCAGAAATGGATATGGATTTATAAATCGAAATGACACCAAAGAAGATGTATT
 TGTACATCAGACTGCCATCAAGAAGAATAACCCACGGAATATCTGCGCAGTCTAGGAGATGGAGAACT
 GTAGAGTTTGATGTGGTTGAAGGAGAGAAGGTTGACAGAGCTGCCAATGTGACTGGCCCGGATGGAGTTC
 CTGTGGAAGGGAGTCGTTACGCTGCAGATCGGCGCCGTTACAGACGTGGCTACTATGGAAGGCGCCGTGG
 CCCTCCCCGGAATGCTGGTGAGATTGGAGAGATGAAGGATGGAGTCCCAGAGGGAGCACAACTTCAGGGA
 CCGGTTTCATCGAAATCCAATTACCGCCCAAGTACCGTAGCAGGGGACCTCCTCGCCACGACCTGCC
 CAGCAGTTGGAGAGGCTGAAGATAAAGAAAATCAGCAAGCCACCAGTGGTCCAAACCAGCCGTCTGTTCC
 CCGTGGATATCGGCGTCCCTACAATTACCGCGCTCGCCCGCTCCTCCTAACGCTCCTTCACAAGATGCC
 AAAGAGCCAAGGCAGGTGAAGCACCAACTGAGAACCCTGCTCCACCCACCCAGCAGAGCAGTGTGAG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC227614 representing NM_001145426
Red=Cloning site Green=Tags(s)

MSEAGEATTTTTTLTPQAPTEAAAAAPQDPAPKSPVGSAPQAAAAPAAHVAGNPGGDAAPATGTAAA
 ASLAAAAGSEDAEKKVLATKVLGTVKWFNVRNGYGF INRNDTKEDVFVHQTAIKKNNPRKYL RSLGDGET
 VEFDVVEGEKGAEANVTGPDGVPVEGSRYAADRRRYRRGYRRRGPPRNAGE I GEMKDGVPEGAQLQG
 PVHRNPTYRPRYRSRGP RPRPAPAVGEAEDKENQ QATSGPNQPSVRRGYRRPYNRRRPPNAPSQDG
 KEAKAGEAPTENPAPPTQQSSAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001145426

ORF Size: 909 bp

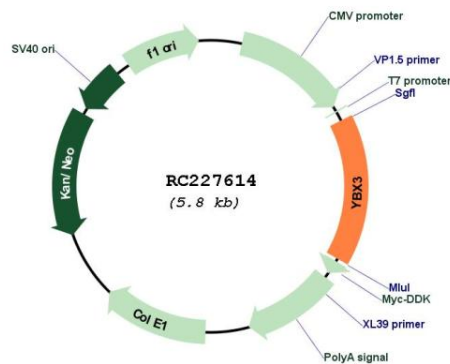
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<ol style="list-style-type: none">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 ORF:	912 bp
Locus ID:	8531
UniProt ID:	P16989
Cytogenetics:	12p13.2
Protein Families:	Transcription Factors
Protein Pathways:	Tight junction
MW:	31.8 kDa
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 RC227614