

Product datasheet for **RG208392**

YBX2 (NM_015982) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | YBX2 (NM_015982) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | YBX2 |
| Synonyms: | CONTRIN; CSDA3; DBPC; MSY2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG208392 representing NM_015982 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGAGGTGGAGGGCAGCGGTGGCTACAGCGGTCCCCGCGGCAGCGGTGCCCGCAGCGGGCAG
GGGTGGTAGCGGTGGTACCGGTGCCCGCAGGGAGCCGAGAAAGGCGGGCGGGCGGGCGGGGG
CGGAGCCGCTCGGGCCCGCTGCTGGGACCCCTCGGCGCCGGGCTCCCGCACCCCTGGCAATCCGGCG
ACGGCGGTCTCGGAACCCCGCCCCCGCCCGGAGTCAGGCGGACAAGCCGGTCTGGCAATCCAAG
TCCTGGGCACTGTCAAATGGTTCAACGTCCGGAATGGTTACGGATTCATCAACAGGAATGACACCAAGGA
AGATGTCTTTGTTACCAGACAGCTATTAAGAAACAACCCAGGAAGTTCTGCGCAGCGTTGGAGAT
GGGAGACTGTGGAATTTGATGTGCGTGAAGGAGAGAAGGGCGCAGAAGCCACTAATGTAAGTGGCCCTG
GGGAGTACCCGTGAAGGCGAGCCGTTATGCCCAACCGACGTAAGTCCCGCCGATTATCCCCCGGCC
TCCCTCAGTTGCCCAACCCATGGTGGCAGAGATCCCTCGGCGGGGACAGGACCTGGCAGTAAAGGG
GAGCGGCTGAAGACTCTGGCAACGGCCCCGACGATGGTGGCCCCACCCCTTCTTACCGACGGCGGT
TTGTGCGAGGCCCGCCCTCCAACAGCAGCAGCCTATAGAGGGCACTGACAGGTAAGACCCAAAGA
GACAGCCCATTTGAGGGGACCAACAGCAGGGAGATGAGCGAGTCCCCCGCCAGATTCGGGCCAGG
TACCGAAGGCCTTTCGCCCCAGGCCAGCCAGCAGCCTACCACAGAAGTGGGGATGGTGAACCAAG
CCAGCCAAGTCCCGCTGATGGTTCCCGCCTGAGCCCCAGGCCACGAAACCGCCCTACTTCCAGCG
GAGACGGCAGCAGGCCCTGGCCCCAGCAGGCCCTGGCCCCGGCAGCCCGCAGCCCTGAGACCTCA
GCCCTGTCAACAGTGGGACCCACCACCACCATCCTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208392 representing NM_015982
 Red=Cloning site Green=Tags(s)

MSEVEAAAVATAVPAATVPATAAGVVAVVVPVAPAGEPQKGGGAGGGGGAASGPAAGTPSAPGSRTPGNPA
 TAVSGTPAPPARSQADKPVLAIQVLGTVKWFNVRNGYGF INRNDTKEDVFVHQTAIKRNNPRKFLRSVGD
 GETVEFDVVEGEKGAEATNVTGPGGVPVKGSRYAPNRRKSRRFIPRPPSVAPPPMVAEIPSAAGTGPVSKG
 ERAEDSGQRPRRWCPFFFYRRRFVVRGPRPPNQQPIEGTDRVEPKETAPLEGHQQGDERVPPRFRPR
 YRRPFRPRRQQPTTEGGDGETKPSQGPADGSRPEPQRPRNRPYFQRRRQQAPGPGQQAPGPRQPAAPETS
 APVNSGDPTTTILE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015982

ORF Size: 1092 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_015982.2](#)

RefSeq Size: 1587 bp

RefSeq ORF: 1095 bp

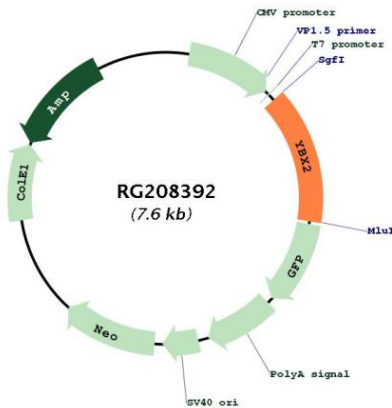
Locus ID: 51087

UniProt ID: [Q9Y2T7](#)

Cytogenetics: 17p13.1

Gene Summary: This gene encodes a nucleic acid binding protein which is highly expressed in germ cells. The encoded protein binds to a Y-box element in the promoters of certain genes but also binds to mRNA transcribed from these genes. Pseudogenes for this gene are located on chromosome 10 and 15. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG208392