

Product datasheet for **RG225009**

ZNF673 (KRBOX4) (NM_001129900) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF673 (KRBOX4) (NM_001129900) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: KRBOX4
Synonyms: ZNF673
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225009 representing NM_001129900
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCATGTCCCAGGAATCATTGACCTTCAAGGACGTGTTTGTGGACTTCACCCTGGAGGAGTGGCAGC
 AACTGGACTCTGCCAGAAGAACCTCTACAGGGATGTCATGCTTGAGAACTACAGCCACCTGGTGTCCGT
 GGGGTATCTAGTTGCGAAGCCAGATGTGATCTTCAGGTTGGACCAGGTGAAGATCCTGGATGGCAGAT
 GGGGGACCCCGGTACGGACCTGTGCAGATGTATCCATTTTGCCTCATGTATTTGAAGTCTGTTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225009 representing NM_001129900
 Red=Cloning site Green=Tags(s)
 MAMSQESLTFKDFVDFVDFLEEWQQLDSAQKNLYRDVMLENYSHLVSVGYLVAKPDVIFRLGPGEESWMAD
 GGTPVRTCADVSI FASCILKCCY

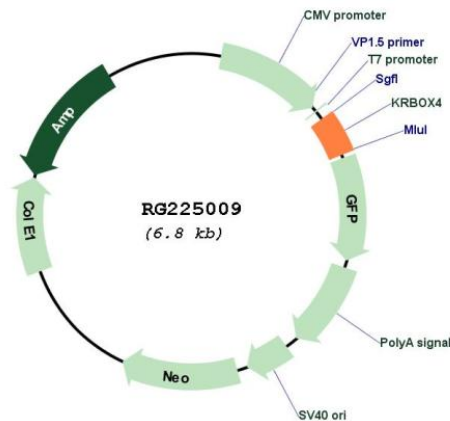
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001129900

ORF Size: 279 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](#)

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|-------------------------------|---|
| 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: | <u>NM_001129900.1</u> , <u>NP_001123372.1</u> |
| RefSeq Size: | 2487 bp |
| RefSeq ORF: | 282 bp |
| Locus ID: | 55634 |
| UniProt ID: | <u>Q5J UW0</u> |
| Cytogenetics: | Xp11.3 |
| Protein Families: | Transcription Factors |
| Gene Summary: | This encodes a zinc finger protein with an N-terminal KRAB (Kruppel-associated) domain found in transcriptional repressors. This gene is located in a region of the X chromosome thought to be involved in nonsyndromic X-linked cognitive disability. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011] |