

Product datasheet for **RG225172**

ZNF673 (KRBOX4) (NM_001129898) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF673 (KRBOX4) (NM_001129898) 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: >RG225172 representing NM_001129898
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCATGTCCCAGGAATCATTGACCTTCAAGGACGTGTTTGTGGACTTCACCCTGGAGGAGTGGCAGC
AACTGGACTCTGCCAGAAGAACCTCTACAGGGATGTCATGCTTGAGAACTACAGCCACCTGGTGTCCGT
GGGATATCTAGTTGCGAAGCCAGATGTGATCTTCAGGTTGGGACCAGGTGAAGAGTCTGGATGGCAGAT
GGGGGACCCCGGTACGGACCTGTGCAGGTGAGGACAGCCAGAAGTCTGGCAAGTTGATGAGCAGATAG
ATCACTACAAGGAAAGCCAAGACAACTTCCTTGCAAGCTGCATTCATAGGCAAGGAAACTGAAGGA
TGAAAGCGGTCAAGAATCCAGAACATGTAGAAAAGCATTATCTGAGCAGAAATTTGATTCTGTAAAG
CAAAGACTCCCTAAATATTATTCGTGGGAAAAGGCATTCAAACATCATTTAAACTTTCTTGGTCAAAT
GGAAGCTATGTAAGAAAGAAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225172 representing NM_001129898
Red=Cloning site Green=Tags(s)

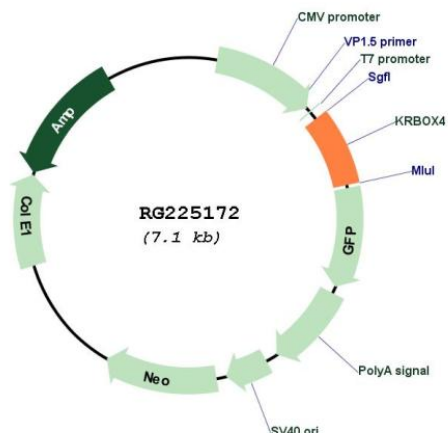
MAMQESLTFKDFVDFTFLEEWQLDSAQKNLYRDMLENYSHLVSVGYLVAKPDVIFRLGPGEESWMAD
GGTPVVRTCAGEDRPEVWQVDEQIDHYKESQDKLPWQAAF IGKETLKDESGQESRTCRKSIYLSSTEFDSVR
QRLPKYYSWEKAFKTSFKLSWSKWKLCKKER

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:**Plasmid Map:**

ACCN: NM_001129898

ORF Size: 513 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:	<u>NM_001129898.2</u>
RefSeq Size:	2458 bp
RefSeq ORF:	516 bp
Locus ID:	55634
UniProt ID:	<u>Q5JUW0</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]