

# Product datasheet for RG220264

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OriGene Technologies, Inc.

## ZNF673 (KRBOX4) (NM 017776) Human Tagged ORF Clone

**Product data:** 

**Product Type: Expression Plasmids** 

**Product Name:** ZNF673 (KRBOX4) (NM\_017776) Human Tagged ORF Clone

Tag: **TurboGFP ZNF673** Symbol: Synonyms: **ZNF673 Mammalian Cell** 

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

**ORF Nucleotide** >RG220264 representing NM\_017776

Red=Cloning site Blue=ORF Green=Tags(s) Sequence:

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCCATGTCCCAGGAATCATTGACCTTCAAGGACGTGTTTGTGGACTTCACCCTGGAGGAGTGGCAGC AACTGGACTCTGCCCAGAAGAACCTCTACAGGGATGTCATGCTTGAGAACTACAGCCACCTGGTGTCCGT GGGGTATCTAGTTGCGAAGCCTGATGTGATCTTCAGGTTGGGACCAGGTGGAGAGTCCTGGATGGCAGAT GCCAAGACAAACTTCCTTGGCAAGCTGCATTCATAGGCAAGGAAACACTGAAGGATGAAAGCGGTCAAGA ATCCAGAACATGTAGAAAAAGCATTTATCTGAGCACAGAATTTGATTCTGTAAGGCAAAGACTCCCTAAA TATTATTCGTGGGAAAAGGCATTCAAAACATCATTTAAACTTTCTTGGTCAAAAATGGAAGCTATGTAAGA

AAGAAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

>RG220264 representing NM\_017776 **Protein Sequence:** 

Red=Cloning site Green=Tags(s)

MAMSQESLTFKDVFVDFTLEEWQQLDSAQKNLYRDVMLENYSHLVSVGYLVAKPDVIFRLGPGGESWMAD GGTPVRTCAEVWQVDEQIDHYKESQDKLPWQAAFIGKETLKDESGQESRTCRKSIYLSTEFDSVRQRLPK

YYSWEKAFKTSFKLSWSKWKLCKKER

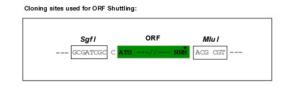
TRTRPLE - GFP Tag - V

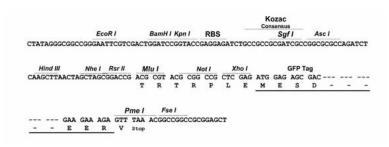
**Restriction Sites:** Sgfl-Mlul





#### **Cloning Scheme:**





**ACCN:** NM\_017776

ORF Size: 498 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: <u>NM 017776.1</u>, <u>NP 060246.1</u>

RefSeq Size: 2308 bp
RefSeq ORF: 501 bp
Locus ID: 55634
UniProt ID: Q5JUW0

## ZNF673 (KRBOX4) (NM\_017776) Human Tagged ORF Clone - RG220264

Cytogenetics: Xp11.3

Domains: KRAB

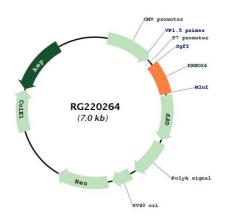
**Protein Families:** Transcription Factors

**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]

# **Product images:**



Circular map for RG220264