

## Product datasheet for **SC127175**

### ZNF673 (KRBOX4) (NM\_017776) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF673 (KRBOX4) (NM_017776) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRBOX4
Synonyms:	ZNF673
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017776, the custom clone sequence may differ by one or more nucleotides

```
ATGGCCATGTCCCAGGAATCATTGACCTTCAAGGACGTGTTTGTGGACTTCACCCTGGAGGAGTGGCAGC
AACTGGACTCTGCCAGAAGAACCTCTACAGGGATGTCATGCTTGAGAACTACAGCCACCTGGTGTCCGT
GGGGTATCTAGTTGCGAAGCCAGATGTGATCTTCAGGTTGGGACCAGGTGAAGAGTCCTGGATGGCAGAT
GGGGGGACCCCGTACGGACCTGTGCAGAAGTCTGGCAAGTTGATGAGCAGATAGATCACTACAAGGAAA
GCCAAGACAAACTTCCTTGGCAAGCTGCATTCATAGGCAAGGAAACACTGAAGGATGAAAGCGGTCAAGA
ATCCAGAACATGTAGAAAAGCATTTATCTGAGCACAGAATTTGATTCTGTAAGGCAAAGACTCCCTAAA
TATTATTCGTGGGAAAAGGCATTCAAAACATCATTTAACTTTCTTGGTCAAATGGAAGCTATGTAAGA
AAGAAAGATGA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_017776 unedited  
 GAACACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCGAATTCGGC  
 ACGAGGGTCAGCGGCCTCTGAGGTTTCAGGCTCTTGGCGGTGAAGGTCAGAGTGCAGACC  
 TGAGACCACTGCTCACCAGCTTCAGACTCCAGTTTATCTGTGCCCCAGCTTCCTCACTTA  
 GTCTCAGAAGACTTAGGCTGAGGCCTCAGAAGGAGATCTCCATCCTTTGTCCAGAGCAGA  
 ACAGGATGGCCATGTCCCAGGAATCATTGACCTCAAGGACGTGTTTGTGGACTTCACCC  
 TGGAGGAGTGGCAGCACTGGACTCTGCCCAGAAGAACCCTACAGGGATGTCATGCTTG  
 AGAACTACAGCCACCTGGTGTCCGTGGGTATCTAGTTGCGAAGCCAGATGTGATCTTCA  
 GGTGGGACCAGGTGAAGAGTCCTGGATGGCAGATGGGGGACCCCGGTACGGACCTGTG  
 CAGAAGTCTGGCAAGTTGATGAGCAGATAGATCACTACAAGGAAAGCCAAGACAACTTC  
 CTTGGCAAGCTGCATTATAGGCAAGGAAACACTGAAGGATGAAAGCGGTCAAGAATCCA  
 GAACATGTAGAAAAAGCATTTATCTGAGCACAGAAATTTGATTCTGTAAGGCAAAGACTCC  
 CTANATATTATTCGTGGGANAAGGCATTCAAACATCATTTAACTTTCTTGGTCAAAT  
 GGAAGCTATGTAAGAAAGAAAGATGATGGATGTAAGCATATTGAAAAGTATGCTCCAT  
 TANNTATCTCATAAAGCTCAACCTGCAGAGAGATTTTTTGACCCCTATCACGAGGGGANA  
 GCCCCACCANNAAGCAGCCCTTANAAAAGTCAGAGAAGTCAACTGGGGGAGAAGCTAC  
 AATGTAAGTGAATGTGAAAAGTGTATCCAGAAAGCAACTTAGTGTC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_017776 unedited  
 CGCAATCTAGAGTCGAGTNNTT  
 TTTTAAACATTTTTTTCTTTATAAAGGCAAAAACCTTTAACCTTTCACTTTAAAGAAAC  
 ACTTTATAACTTATTTTTGGGTATGCAAATTGCCAACATCACTACTTTTGCCCTTGGG  
 GTCATTATACAATAAGGGTAGCTTTAATGCAAGCCCTGCAATCCCATGACAGTCAATCTG  
 ACAACTGAAACAGCTAAGGGACTAGGGGGCGGTACCATATCCAGCATGGATTTAATACT  
 GGACAAAAGGATGATTCAAGCCGGGGCAGGGGCTCATGCCTGTAATCCCAACCTTTGG  
 GAGGCTGAGGCAGCGGATCACTTGAGGTCAAGATTTCAAACCAGGCTGGCCAACATGG  
 GGAACCCCTGTCTACTAAAAATACAAATTACCTGCGTATGGGGCATGTCCTGTAAT  
 CCCAACTTTTTGGGAGGTTGAGGCAGGAAAATCGTTGAACCCAAAAGGCGGAGGTTGCA  
 GTGACCCAAAATTGGCCACTGCACTCCAGTTTGAAGACAAAACAAAACCTGTCCTCAA  
 AAAAAAAAAAAAAAAAAATTCCTGATTTCCATCCTGACCAAGAAAAAACAGGACAGGGCCAA  
 ATTTCTCACCACCTTTTCAATACCCTGCACCTTATGCCTTTATTGTCCTGACATAC  
 AATGAAAGTTGATTTAACTAAAAGATCCCCCTTTATTACCTCATAGGGTTCCTCCA  
 TAAGAATTTCCGATGTTTAAGAAAATTGACTTCTACTGAAGCTTTCTCAAACCCTGC  
 TTAAGGGCCCTCCCATAAAATTTCTTATTCAACCAAGGACTCCGAAAAGGCTCTTC  
 CACTTCCCGCTTATAAGGCCTCTCCCTGGAAGTCCCTTGGGGCCAAAAGGTGACCTTCC  
 GCAGACGCTTGACATTCAAATCAAAGGTCTCCG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_017776

**Insert Size:**

2060 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_017776.1](#), [NP\\_060246.1](#)

**RefSeq Size:** 2308 bp

**RefSeq ORF:** 501 bp

**Locus ID:** 55634

**UniProt ID:** [Q5J UW0](#)

**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]

Transcript Variant: This variant (2) uses a different splice site in the CDS, compared to variant 1. The resulting protein (isoform 2) is shorter by 5 aa when it is compared to isoform 1.

Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.