

Product datasheet for **RC213577**

ZNF674 (NM_001039891) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF674 (NM_001039891) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF674
Synonyms:	MRX92; ZNF673B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC213577 representing NM_001039891
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCATGTCCCAGGAATCATTGACCTCAAGGACGTGTTTGTGGACTTCACCCTGGAGGAGTGGCAGC
 AACTGGACTCTGCCAGAAGAACCTCTACAGGGATGTCATGCTTGAGAACTACAGCCACCTGGTGTCCGT
 GGGCATCTAGTTGGGAAGCCAGATGTGATCTTCAGGTTGGGACCAGGTGACGAGTCTGGATGGCAGAT
 GGAGGGACCCCGGTACGGACCTGTGCAGGTGAGGACAGGCCAGAAGTCTGGGAAGTTGACGAGCAGATAG
 ATCACTACAAGGAAAGCCAAGACAAATTTCTGTGGCAAGCTGCATTCATAGGCAAGGAAACACTGAAGGA
 TGAAAGTGGTCAAGAATGAAAAATGTAGAAAAATCATTTATCTCAACACAGACTTTGTTTCTGTAAAA
 CAAAGACTCCCTAAATATTATTCATGGGAAAGGTGTTCAAACATCATTTAAACTTTCTGGTCAAATA
 GAAGCTATGTAAGAAAGAAAGATGATGGATGTAAGGCATATTGGAAAGTATGCCTCCATTATAATCTTCA
 TAAAGCTCAACCTGCAGAGAGATTTTTTACCCTAATCAACGAGGAAAGCCCTCCACAAAAGCAAGCC
 CTTAGAAAAAGTCAGAGAAGTCAAACCTGGGAGAACTCTACAAATGTACTGAATGTGAAAAAGTGTTTA
 TCCAGAAAAGCAAACCTTAGTTGTACATCAAAGAACTCACACCGGAGAGAAAACCTTATGAATGCTGCGAATG
 TGCAAAAGCCTTCAGCCAGAAGTCAACCCTCATAGCACACCAGAGAAGTACACAGGGGAGAAGCCCTAT
 GAATGCAGTGAATGTGAAAAACCTTTATCCAGAAGTCAACTCTGATTAAACATCAACGAACCTACACAG
 GAGAGAAACCATTTGTATGTGACAAATGTCAAAGCCTTTAAGAGTTCATATCATCTTATTAGACATGA
 AAAACACACATTAGACAAGCATTTTATAAAGGTATTAATGTACTACGTCCAGCCTTATATCAAAGA
 ATTCACACAAGTGAGAAACCTCAGTGCAGTGAACATGGGAAAGCCTCTGATGAGAAAGCCAGTCCCACTA
 AACATTGGAGAACTCATACAAAAGAGAACATTTATGAGTGTAGTAAATGTGGGAAAAGCTTCAGAGAAA
 GTCACACCTCTCTGTTCATCAGAGAATTCATACAGGAGAGAAAACCTTATGAATGTAGTATATGTGGGAA
 ACTTTCAGTGGAAAGTCACACCTCTCTGTCCATCATAAGAACTCATACAGGAGAGAAAACCTTATGAATGCA
 GAAGATGTGGGAAAGCCTTTGGGAGAAAGTCAACCCTTATTGTACATCAGAGAATGCATACAGGAGAGAA
 ACCCTATAAATGCAACGAATGTGGGAAAGCCTTTAGTGAAGTCAACCTGATTAAACATCAGAGAATT
 CATACAGGAGAGAGACCCTATGAATGCACTGACTGTAAAAAGCCTTCAGTAGGAAGTCAACTCTCATCA
 AACATCAGAGAATTCATACAGGAGAAAAACCTTACAAATGTAGTGAATGTGGGAAAGCCTTCAGTGTGAA
 ATCAACTCTCATTGTGCATCACAGAAGTATACAGGAGAGAAAACCTTATGAATGCAGAGACTGTGGGAAA
 GCATTCAGTGGGAAAGTCAACTCTCATTAAACATCAGAGAAGTACACAGGAGATAAAAACCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213577 representing NM_001039891
 Red=Cloning site Green=Tags(s)

MAMSQESLTFKDFVDFVDFLEEWQQLDSAQKNLYRDMLENYSHLVSVGHLVGPDPVIFRLGPGDESWMAD
 GGTTPVRTCAGEDRPEVWEVDEQIDHYKESQDKFLWQAAF IGKETLKDESGQECKICRKIIYLNTDFVSVK
 QRLPKYYSWERCSKHHLNFLGQNRSYVRKDDGCKAYWKVCLHYNLHKAQPAERFFDPNQRGKALHQKQA
 LRKSQRSQTGEKLYKCTECGKVF IQKANLVVHQRTHTEKPYECCECAKAFS QKSTLIAHQRTHTGEKPY
 ECSECGKTFIQKSTLIKHQRTHTGEKPFVCDKCPKAFKSSYHLIRHEKTHIRQAFYKGIKCTTSSLIYQR
 IHTSEKPCSEHGKASDEKPSPTKHWRTHTKENIYECCKGKSFGRKSHLSVHQRHTHTGEKPYECSICGK
 TFSGKSHLSVHHRHTHTGEKPYECRRCGKAFGEKSTLIVHQRHTHTGEKPYKNECGKAFSEKSPKIKHQRI
 HTGERPYECTDCKAFSRKSTLIKHQRIHTGEKPYKCECGKAFSVKSTLIVHHRHTHTGEKPYECRDCGK
 AFSGKSTLIKHQRSHTGDKNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8024_b03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001039891

ORF Size: 1743 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_001039891.3](#)

RefSeq Size: 2689 bp

RefSeq ORF: 1746 bp

Locus ID: 641339

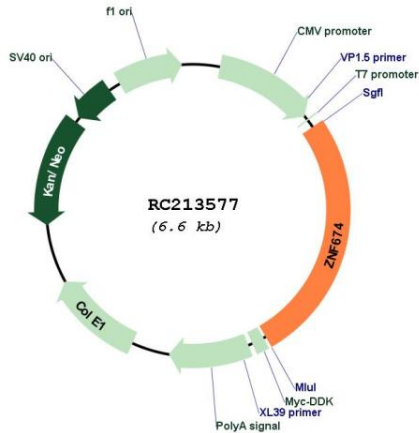
UniProt ID: [Q2M3X9](#)

Cytogenetics: Xp11.3

MW: 67 kDa

Gene Summary: This gene encodes a zinc finger protein with an N-terminal Kruppel-associated box-containing (KRAB) domain and 11 Kruppel-type C2H2 zinc finger domains. Like other zinc finger proteins, this gene may function as a transcription factor. This gene resides on an area of chromosome X that has been implicated in nonsyndromic X-linked cognitive disabilities. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2017]

Product images:



Circular map for RC213577