

Product datasheet for **RG209612**

ZNF711 (NM_021998) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF711 (NM_021998) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF711
Synonyms:	CMPX1; dj75N13.1; MRX65; MRX97; Zfp711; ZNF4; ZNF5; ZNF6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209612 ORF sequence, **codon optimized**.
Due to the complexity of NM_021998, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAGCGGTGGTGGTAGCCTCGGCCTCCACACCCCGACTCTCGCATGGCTCATACGATGATAATGC
 AAGACTTCGTGGCTGGCATGGCCGGTACAGCCCATATCGACGGCGACCATATCGTGGTCAGTGTGCCGA
 GGCCGTGCTTGTGTCGGATGTAGTGACAGATGACGGAATTACCCTGGACCACGGACTCGCCGCTGAGGTC
 GTGCACGGACCTGATATTATCACCGAAACCGATGTGGTTACCGAGGGGGTTATTGTTCCCGAGGCAGTCT
 TGGAGGCCGACGTGGCCATTGAGGAAGATCTTGAAGGAAGATGATGGCGATCACATACTGACCAGCGAGTT
 GATAACCGAAACGGTCCGGGTGCCAGAACAGGTGTTTGTGTGATCTGGTCACAGGCCCTAATGGTCAT
 CTGGAGACGTCGTACAGGATTGCGTTTCTGGGGTGGACTCCCGACTATGGTTTCTGAGGAGGTGCTGG
 TGACCAATAGCGACACAGAAACCGTAATACAGGCCCGCGAGGGGTTCCGGGTTCCACAGTGACAATAAA
 AACAGAAGATGACGATGATGATGACGTTAAGTCCACTAGCGAGGATTATCTCATGATTAGCCTCGATGAC
 GTGGGCGAGAAGCTTGAACATATGGGAACACTCCCCTGAAGATTGGAAGTGACGGGTCCAGGAAGACG
 CCAAGGAGGACGGCTTCGGCTCTGAAGTTATCAAGGTGTATTTTTCAAAGCCGAGGCCGAGGATGATGT
 GGAGATTGGAGGAACCGAAATCGTTACCGAGAGCGAATACACTCCGGTCATTCCGTAGCTGGGGTACTG
 GACCAGTCCAGGATGCAGAGGGAGAAAATGGTGTACATGGCCGTTAAGGACAGCAGCCAGGAAGAGGACG
 ACATCCGAGACGAACGCCGCGTCTCCCGCAGATACGAGGACTGTCAAGCCTCAGGCAATACCTTGGATAG
 CGCGCTGGAGTACGCTCAAGCACCGCAGCCAGTACCTTCAAGTCTGCGACGGGATCAATACAAACAAG
 GTCCTTAAACAGAAAGCCAAGAAGCGGAGGCGCGGTGAAACTCGCCAGTGGCAAACCTGCCGTGATTATAG
 GCCCCGATGGGCAGCCATTGACGGTGTACCCCTGCCACATTTGCACAAAAAGTTTAAATCCCGCGGCTT
 CCTGAAGCGGCACATGAAAAATCACCTGATCACCTCATGCGCAAGAAATACCAGTGCACCGACTGCGAC
 TTCACCACCAATAAGAAGGTCAGTTTTTCATAACCACCTCGAAAGCCACAAACTCATCAACAAAGTTGACA
 AGACCCACGAGTTTACGGAGTACACAAGAAGATATCGGGAAGCTTCAACCCTCAGTTCCAATAAGCTCAT
 CCTCCGGGATAAAGAACCAAAAAATGCACAAATGTAAGTATTGCGACTATGAAACGGCGGAGCAAGGTCGT
 CTGAACCGGCATCTGCTCGCTGTGCATTCAAAGAACTTTCCTCACGTTTGCGTAGAATGCCGAAAGGGGT
 TCAGACATCCAAGTGAATTGAAGAAGCACATGCGAACACATACAGGAGAAAAACCATACCAGTGTGAGTA
 TTGCATTTTCAGGTGCGCTGATCAGAGCAACCTTAAAACATCATCAAGAGCAAGCATGGGAATAATTTG
 CCGTACAAGTGTGAGCACTGCCCTCAGGCATTTGGTGACGAGCGAGAGCTGCAGCGGCATCTGGATCTGT
 TCCAGGGCCACAAAACACACCAATGCCACATTTGTGATCACAAGTCCACAAATTCCTCAGATCTGAAACG
 ACATATTTTCCGTGCATACTAAAGACTTCCCCATAAATGCGAGGTGTGCGACAAAGGTTTCCATAGA
 CCTAGCGAACTGAAGAAGCATTCCGACATTCATAAAGGCCGGAAGATCCACCAGTGCAGGCATTGTGATT
 TCAAGACGAGCGACCCCTTTATCTTGAGCGGGCACATCCTGAGTGTGCACACAAAGGACGACCCATTGAA
 GTGTAAGAGATGAAGAGGGGCTTCAGGACGAGAATGAGTTGAAAAAGCACATGAAGACACACACTGGT
 CGCAAGATTTACCAGTGCAGTATTGTGAGTACAGTACAACCGATGCTAGCGGCTTCAAGCGCCATGTGA
 TATCCATTCACTAAGGATTATCCACACAGGTGCGAGTTTTGCAAGAAGGGCTTTCGACGGCCAGCGA
 AAAAAATCAGCACATCATGAGACACCATAAGGAGGCTCTTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209612 representing NM_021998
 Red=Cloning site Green=Tags(s)

MDSGGGSLGLHTPDSRMAHTMIMQDFVAGMAGTAHIDGDHIVVSVPEAVLVSDVVTDDGITLDHGLAAEV
 VHGPDIITETDVVTEGVIPEAVLEADVAIEEDLEEDGDHILTSELITETVVRPEQVVFADLVTGPNGH
 LEHVVDQCVSGVDSPTMVSEEVLVTNSDTETVIQAAGGVPGSTVIKTEDDDDDVKSTSELYLMI SLDD
 VGEKLEHMGNTPLKIGSDGSQEDAKEDGFGSEVIKVIYIFKAEAEADDVEIGGTEIVTESEYTSGHSVAGVL
 DQSRMQREKMVYMAVKDSSQEEDDIRDERRVSRRYEDCQASGNTLDSALESRSSATAQYLQICDGINNK
 VLKQKAKKRRRGETRQWQTAVIIGPDGQPLTVYPCHICTKKFKSRGFLKRHMKNHPDHLMRKKYQCTDCD
 FTTNKKVSVFHNHLESHKLINKVDKTHEFTEYTRRYREASPLSSNKLILRDKEPKMHKCKYCDYETAEQGL
 LNRHLLAVHSKNFPHVCVECGKFRHPSELKKHMRHTTGEKPYQCQYCFRCADQSNLKTHIKSKHGNNL
 PYKCEHCPQAFGDERELQRHLDLFQGHKTHQCPHCDHKSTNSSDLKRHIISVHTKDFPHKCEVCDKGFHR
 PSELKKHSDIHKGRKIHQCRHCFKTSDFILSGHILSVHTKDQPLKCKRCKRGRFRQONELKHKMKTHTG
 RKIYQCEYCEYSTDASGFKRHVISIHTKDYPHRCEFCCKGFRRPSEKNQHIMRHHKALM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

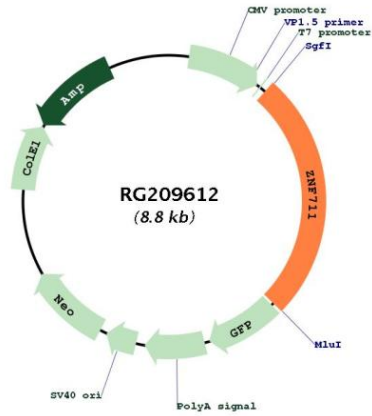
Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN:	NM_021998
ORF Size:	2283 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:	NM_021998.4 , NP_068838.3
RefSeq Size:	4182 bp
RefSeq ORF:	2286 bp
Locus ID:	7552
UniProt ID:	Q9Y462
Cytogenetics:	Xq21.1
Domains:	Zfx_Zfy_act, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a zinc finger protein of unknown function. It bears similarity to a zinc finger protein which acts as a transcriptional activator. This gene lies in a region of the X chromosome which has been associated with cognitive disability. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG209612