

Product datasheet for **RC223978**

ZNF713 (NM_182633) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF713 (NM_182633) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF713
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223978 representing NM_182633 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGGAGGAAGAAATGAATGATGGCTCACAGATGGTGAGATCTCAGGAATCACTGACGTTTCAGGATG
TGGCCGTGGACTTCACCAGAGAGGAGTGGGACCAGCTGTACCCTGCCAAAAGAACCTCTATCGAGACGT
GATGCTGGAGAACTACAGGAATCTAGTTGCACTGGGGTATCAGCTTTGTAAGCCAGAGGTAATCGCGCAG
TTGGAGCTAGAGGAAGAATGGGTGATAGAAAGAGACAGCCTGCTGGATACTCATCCAGATGGAGAAAACA
GACCCGAAATCAAAAAGTCAACCACAAGCCAGAATATTTCTGATGAAAATCAAACCCATGAGATGATAAT
GGAGAGACTCGCAGGAGACAGCTTCTGGTACTCCATCCTAGGAGGACTCTGGGATTTTGATTACCATCCA
GAGTTTAACCAAGAAAACCAAGAGATATTTAGGACAAGTAACCTTTGACCCACAAAAGATCACACAGG
AGAGAAGCCTTGAGTGAATAAATTTGCAGAAAAGTGAATCTGAACTCAAACCTTATGCAGCAGAGAAT
TCCTTCCATTAATAATACCCCTGAATTCGACACACAGGGAACAGCATCAAACATAATTCAGACTTGATT
TACTATCAGGGAAATTACGTAAGAGAGACTCCCTATGAATATAGTGAGTGTGGAAAAATCTTCAATCAAC
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ATGGATGTGGGAAGCCTTCCGTGAGCATTATCCTTTACTCAACATCTGAGGATTCATACTGGAGAAAA
GCCCTATAAATGTAATCAATGTGGTAAAGCTTTTAGCCGCATCACATCCCTTACTGAACATCATAGACTT
CATACCGGAGAGAAAACCTTACGAATGTGGTTTCTGTGGCAAAGCCTTCAGTCAGAGGACACATCTGAATC
AACATGAAGAAGCTCATACAGGAGAGAAAACCTATAAATGTAATGAATGTGGGAAGCCTTTAGCCAGAG
TGCACACCTTAATCAACACAGGAAAAATCCATACTCGGGAGAAATTATGTGAATATAAATGTGAGCAAAC
GTTCCGCCACAGTCCTTCATTTAGCAGCACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC223978 representing NM_182633
 Red=Cloning site Green=Tags(s)

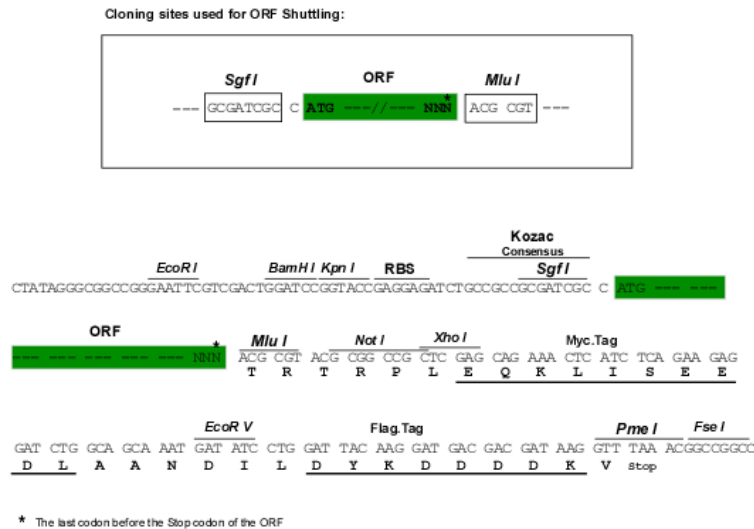
MEEEEMNDGSQMVRSEQSLTFQDVAVDFTREEWDQLYPAQKNLYRDVMLENYRNLVALGYQLCKPEVIAQ
 LEEEEVIERDSSLDPDGENRPEIKKSTTSQNI SDENQTHEMIMERLAGDSFWYSILGGLWDFDYHP
 EFNQENHKRYLGQVTLTHKKITQERSLECNKFAENCNLNSNLMQQRIPSIKIPLNSDTQGNSIKHNSDLI
 YYQGNVYRETPYEYSECGKIFNQHILLTDHIHTAEKPSECGKAFSHTSSLSPQMLLTGEKPYKCDECGK
 RFSQRIHLIQHQRIHTGEKPFICNGCGKAFRQHSSFTQHLRIHTGEKPYKCNQCGKAFSRITSLTEHHRL
 HTGEKPYECGFCGKAFSQRTHLNQHERHTHTGEKPYKCNECGKAFSQSAHLNQHRKIHTREKLCEYKCEQT
 VRHSPFSST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8044_a06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182633

ORF Size: 1290 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_182633.1](#), [NP_872439.1](#)

RefSeq Size: 2065 bp

RefSeq ORF: 1332 bp

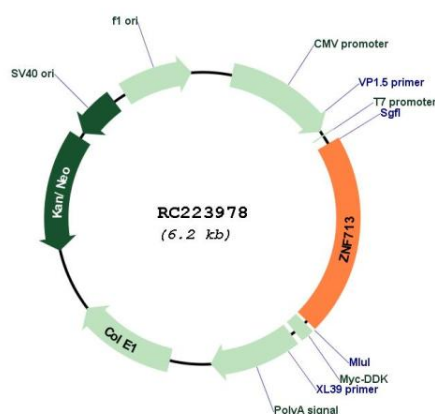
Locus ID: 349075

Cytogenetics: 7p11.2

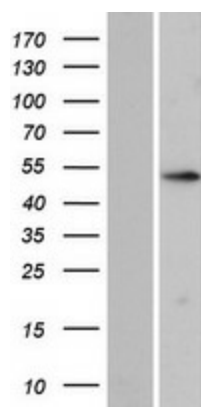
MW: 50 kDa

Gene Summary: The protein encoded by this gene contains C2H2 zinc finger domains. In some individuals, a CGG-repeat expansion from 5-22 repeats to 68-450 repeats has been identified in the first intron of this gene. This mutation is thought to effect the expression of this gene and it has been proposed that it may be associated with Autistic Spectrum Disorder. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RC223978



Western blot validation of overexpression lysate (Cat# [LY405406]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223978 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).