

Product datasheet for **RC239498**

ZNF778 (NM_001201407) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF778 (NM_001201407) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF778
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239498 representing NM_001201407
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCAGCCCCTGACCTGGCCACGGAGGTCATGTTTCTAGGACTCAGTCTGCCTTCATGAAGAACAGA
 CACAGGCAGCAGGGATGGTGGCTGGCTGGCTGATAAATTGTTACCAGGACGCGGTGACCTTTGACGACGT
 GGCTGTGGACTTCACCCAGGAGGAATGGACTTTACTGGACCCATCTCAGAGAGACCTCTACAGAGATGTG
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 GCCAGCACTTCGGCAGGATAGATCTTGGTTCAGAGCATCAATGAGACACAGACGCAAGAAGCCACAAT
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC239498 representing NM_001201407
 Red=Cloning site Green=Tags(s)

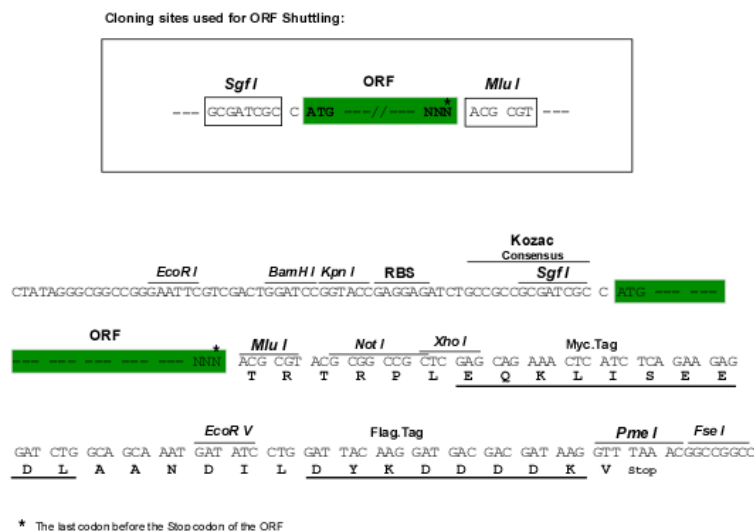
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 GLSKHVQTDPGQKPYECKDCGKACGGFYLLNEHGKTHTREKPFACVVCGYFRNSSCLNNHVRIHTGIKP
 YTC SYCGKAF TVRCGLTRHVRHTGEKPYTCKDCGKAFCTSSGLTEHVRHTGEKPYECKDCGKSFTVSS
 SLTEHARIHTGEKPYECKQCGKAFTRSGLT KHMRTHTGEKPYECKDCGKAYNRVYLLNEHVKTHTEEPK
 FICTVCRKSFRNSSCLNKHIQIHTGIKPYECKDCGKTFTVSSSLTEHIRTHTGEKPYECKVCGKAF TSS
 HLIVHIRTHTGEKPYICEKCGKAFASSHLIEHRRHTHTGEKPYICNECGKA FRASSHLHKHGRIHTGQKP
 YKCKECGKAYNR FYLLKEHLKTYTEEQVFVCKDCGKSFKNSSCLNHHTQIHTDEKPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001201407

ORF Size: 2271 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_001201407.2

RefSeq Size: 3608 bp

RefSeq ORF: 2274 bp

Locus ID: 197320

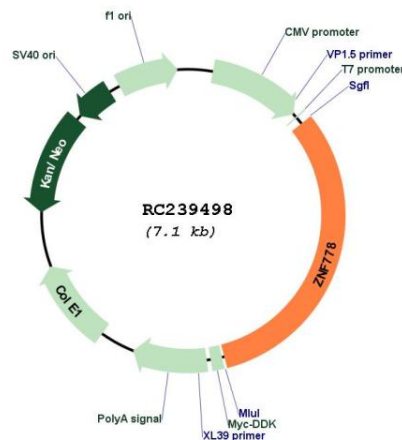
Cytogenetics: 16q24.3

Protein Families: Transcription Factors

MW: 85.8 kDa

Gene Summary: The protein encoded by this gene is a member of the krueppel C2H2-type zinc-finger protein family, and it contains one KRAB domain and eighteen C2H2-type zinc fingers. This gene is a candidate gene for autism and variable cognitive impairment in the 16q24.3 microdeletion syndrome. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2011]

Product images:



Circular map for RC239498