

Product datasheet for **RG219146**

ZNF778 (NM_182531) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF778
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG219146 representing NM_182531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGCCCCGACCTGGCCACGGAGGTCATGTTTCTAGGGACTCAGTCTGCCTTCATGAAGAACAGA
 CACAGGCAGCAGGGATGGTGGCTGGCTGGCTGATAAATTGTTACCAGGACGCGGTGACCTTTGACGACGT
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 TTTGTATGTAAGGACTGTGGAATCTTTAAGAATTCCTCATGCCTTAACCATCACACTCAAATTCACA
 CTGATGAGAAACCTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG219146 representing NM_182531

Red=Cloning site Green=Tags(s)

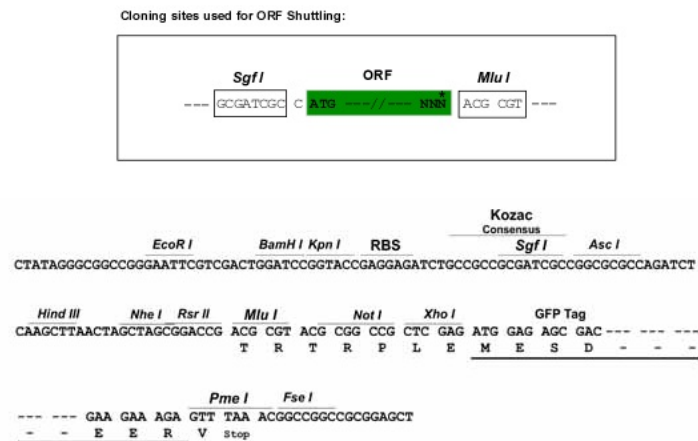
MAAPDLAHGGHVSRLSVLHHEEQTAAGMVAGWLINCYQDAVTFDDVAVDFTQEEWTLTLDPSQRDLYRDV
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CELEECGKASPVSSTLQHVRIHAAEKPCCKEKGKAFGLSGLSKHVQTDPGQKPYECKDCGKACGGFY
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HLIEHRRHTHGEKPYICNECGKAFRASSHLHKGRIHTGQKPYKCKECKGKAYNRFYLLKEHLKTYTEEQV
FVCKDCGKSFKNSSCLNHTTQIHTDEKPF

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_182531

ORF Size:

2187 bp

OTI Disclaimer:

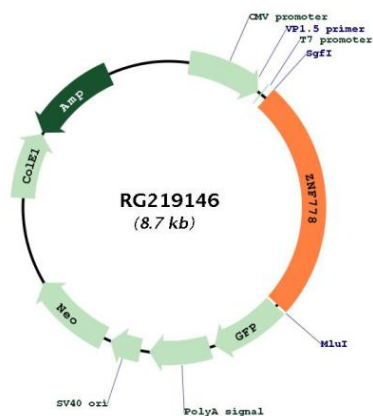
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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_182531.5
RefSeq Size:	2922 bp
RefSeq ORF:	2190 bp
Locus ID:	197320
UniProt ID:	Q96MU6
Cytogenetics:	16q24.3
Protein Families:	Transcription Factors
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 RG219146