

Product datasheet for **RG218578**

ZNF789 (NM_213603) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF789
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218578 representing NM_213603
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGTTCCCAACGACGAGGGGAAGGAGCTGCTCTCGTTTGAGGATGTGGCGATGTAATTCACAGAGAGG
AGTGGGGCCACCTCAACTGGGGTCAGAAGGACCTTACCGAGATGTGATGTTGGAGAACTACAGGAACAT
GGTCTTGCTGGGATTTCAAGTTCCCAAACCTGAGATGATCTGTGAGCTGGAGAACTGGGACGAGCAGTGG
ATCCTGGATCTACCGAGAGCTGGGAATAGGAAGGCTTCCGGTAGTGCTTGGCCAGGTTCTGAAGCCAGAC
ACAAGATGAAAAAGCTAACTCCAAAACAGAAATTTCTGAAGATTTAGAGTCATATAAGATATCAGTGGT
AATGCAGGAATCAGCTGAGAACTTTCAGAAAAGTTACATAAGTGTAAGAATTTGTGGACAGTTGCAGG
CTTACTTTCCCTACTAGTGGTGATGAATACAGCAGGGGCTTCTTCAAAACCTTAACCTTATTCAAGATC
AGAATGCGCAAAACAGGTGGAAGCAGGGCAGATATGATGAGGATGGCAAACCTTCAATCAAAGATCTTT
GCTTTTGGGCGATGAGCGAATTCTCACAAGAGCAAAGTCTTATGAATGCAGTGAATGTGAAAAGTCATT
AGGCGTAAGGCATGGTTTGATCAACATCAAAGAATTCATTTTAGAGAATCCTTTTGAGTGTAAGGTCT
GTGGGCAAGCCTTCAGACAGCGGTACAGCTCTTACGGTCCATAAACAGTGTACCTGCAAAACAAGCCATA
CAGATGTCATGACTGTGGAAAGTGTTCGCGAGCTCGCGTATCTTGTGAACATAAGAGGATTCACACC
AAAGAAAAACCTTATAATGTAGCAATGTGAAAAACGTTTAGTCAGAATTC AACCTTATTTCGACATC
AGGTGATCCATAGTGGAGAAAAACGCCATAAATGCCTTGAGTGTGAAAAAGCCTTTGGCCGGCATTCAAC
CCTTCTATGTCATCAACAGATTACAGTAAACCGAACCACCCATAAATGCAGTGAATGTGGACAGTCTTT
GGTAGGAATGTGGATCTCATTGAGCATCAAAGAATCCATACAAAGGAGGAATCTTTCAATGTGGAGAAT
GTGGGAAAACGTTTAGTTTAAAGAGGAATCTTTTCGACATCAGGTCAATCAGCTGGAAGCCAACCTTA
CCAATGTGTCATATGTGAAAAATCTTCAAGTGGCACACAAGCTTTATTAAGCACCAGGGCACTCACAAA
GGACAGATATCCACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG218578 representing NM_213603

Red=Cloning site Green=Tags(s)

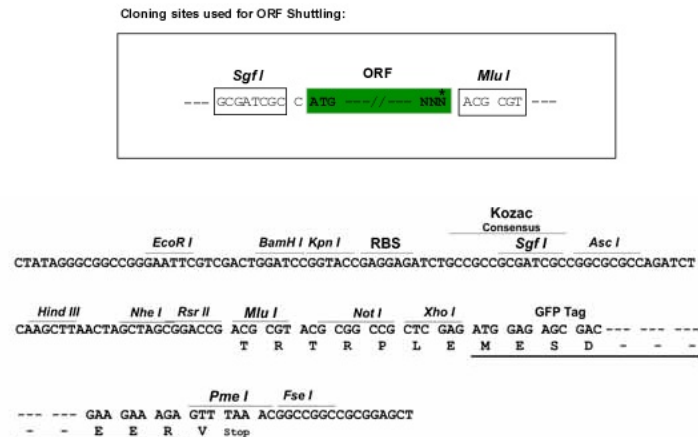
MFPPARGKELLSFEDVAMYFTREEWGHNLNWGQKDLYRDVMLENYRNMVLLGFQFPKPEMICQLENWDEQW
ILDLPARGNRKASGSACPGSEARHKMKKLTQKQFSEDLESYKISVVMQESAELSEKLHKCKEFVDSCR
LTFPTSGDEYSRGFLQNLNLIQDQNAQTRWKQGRYDEDEGKPFNQSRLLLGHERILTRAKSYECSECGKVI
RRKAWFDQHQRIHFLENPFECKVCGQAFRQRSALTVHKQCHLQNKPYRCHDCGKCFRQLAYLVEHKRIHT
KEKPYKCSKCEKTF SQNSTLIRHQVIHSGEKRHKCLECGKAFGRHSTLLCHQQIHSPNTHKCSECGQSF
GRNVDLIQHQRIHTKEEFFQCGECKTFSFKRNLFRHQVIHTGSQPYQVCVCGSKFWHTSFIKHQGTHK
GQIST

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_213603

ORF Size:

1275 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_213603.2](#), [NP_998768.2](#)

RefSeq Size: 1654 bp

RefSeq ORF: 1278 bp

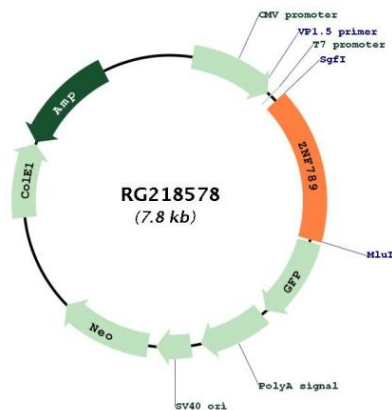
Locus ID: 285989

UniProt ID: [Q5FWF6](#)

Cytogenetics: 7q22.1

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218578