

Product datasheet for **RC222778**

ZNF607 (NM_032689) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF607 (NM_032689) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF607
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC222778 ORF sequence, **codon optimized**.
 Due to the complexity of NM_032689, 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)

TTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCTTATGGGAGCATCACATTTGGCGATGTGGCCATCGACTTCTCACACCAGGAATGGGAGTACCTGT
 CTCTGGTGCGAAGACTCTGTACCAAGAAGTGATGATGGAAAATATGATAACCTCGTAAGCCTCGCCGG
 CCACAGTGTGTCTAAACCAGATCTGATCACACTTCTTGAGCAGGGCAAAGAGCCATGGATGATCGTCAGA
 GAGGAGACACGGGGGAGTGCACAGACCTTGATTCCAGATGCGAGATTATCTCTGATGGAAAGATGCAGC
 TTTACCGAAAACATTCTTGCGTCACGCTTCACCAACGGATACATAACGGACAGAAAGCCATACGAGTGCAA
 ACAGTGCCAGAAATCTTTTTACACCTCACCGAGCTGATGGTGCACCAGACCATCCATACTTCAGAGGAG
 CCCGACCAAGTGCAGAAAGTTTAGGAAGCGCTTAGTCACTCACGGATCTGCGAAAACACCAGAAAATCA
 ATGCTCGCGAGAAGCCCTATGAGTGTGAGGAGTGCAGGAAGGTGTTACAGTACCCAGCCAACCTGGCACA
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 CAGCTCACTGTCCACCACCGTTTCATTATGGAGAGAAACCTTACAGTGCAAGGAGTGCAGAAAAGCAT
 TTTCCGTCTATGGACGGCTTTCCCGGCACCACTATCCACACCGGTGAAAAACCTTTCGAGTGTAACAA
 ATGCGGCAAGAGCTTTCGACTCAAAGCCGGTCTTAAAGTCCACCAAAGTATTACACCGGGGAAAAACCG
 CACGAGTGCAAGGAGTGTGGAAAAGCTTTTAGGCAGTTACGCCACCTCGTGGGTACAAGCGCATCCACA
 CGGGGGAAAAACCTATGAGTGCAAAGAGTGCAGGAAGGGCTTCACTTGTGCGTACCAGTGACCATGCA
 CCAGCGGATATACAGCGGAGAGAAACATTACGAGTGCAAGGAGAACGGAGAAGCCTTCTCTCAGGACAC
 CAATTGACCGCCCCACACCTTTGAGAGTGTGGAGAAACCATATAAGTGTGAGGAGTGTGGGAAAGCCT
 TCTCTGTGCATGGTAGGTTGACGCGGCATCAGGGCATACACAGTGGGAAGAAGCCATACGAGTGAATAA
 GTGCGGAAAATCCTTCCGACTTAACTCCAGTCTGAAAATTCACCAGAACATTCATACCGGCGAGAAGCCT
 TATAAGTGCAAGGAGTGTGGAAAGGCTTCTCCAGCGGGCCACCTCGCTCATCACAACAGAATTCATA
 CTGGCTACAAGCCTTTTGAATGCAAGGAGTGCAGCAAGTCTTCCGGTGCAGATTATTTGGTGATCCA
 TGAGCGGATTCACACAGGGGAGAAGCCGTACGTGTGTCAGGAGTGCAGGAAAGGCTTTAGCTATCCAC
 AAAGTACCATCCATCGAGGGTTCACACTGGAGAAAAACCTACGAATGCAAAGAATGTGGCAAAGCAT
 TCTCAGTATCCGGGCAGCTCACGCAGCACTGTCAATTCTGGTAAACGGCCCTTTGAGTGCAACAA
 GTGTGGAAAATCCTTCCGGTTCATTTCCGTACTCAAAGCTCACCAAAACATCCACAGCGCTGAAAAACCA
 TACGAGTGCAAAGAGTGCAGGAAGGCATTCCGCCACGCTACCAAGTCTGATCTACCATGATCGCACCCACG
 CCGGTGAGAAGAGCTATGAATGCAAAGAGTGTGGCGGAGACTTTTAGTCATGCTTCACATTTGATTATTCA
 TGAGAGGATACATAACAAGCGACAAACCGTACGAGTGCAAGAGGTGCGGCAAGCCTTCCATTGCGCTAGC
 TACCTCGTGCACACGAATCTGTGCACGCGGACGGGAACCTTACATGTGCGAGGAATGTGGTAAGGCCT
 TCAACAGCAGCCACGAACCTTCAATCCACCATAGGGTGCACACCGGCGAGAAGCCCTTTAAGTGCAATAA
 GTGTGCGAGAAGTTCCGGTTGAGATCAATACTGGAGGTGCACCAGCGCATCCACATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

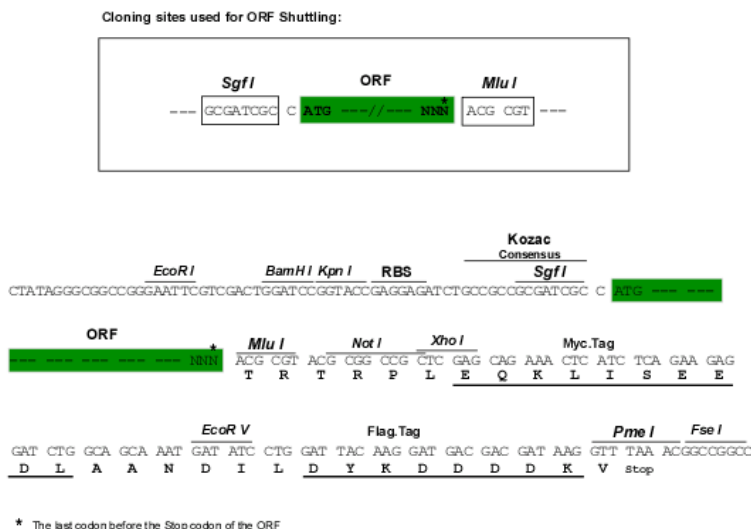
Protein Sequence: >RC222778 representing NM_032689
Red=Cloning site Green=Tags(s)

MAYGSITFGDVAIDFSHQWEYLSLVQKTLVQEVMMENYDNLVSLAGHSVSKPDLITLLEQGEKPEWMIVR
 EETRGECTDLDSRCEIISDGKMLYRKHSCVTLHQRIHNGQKPYECKQCQKSFSLTELMVHQTIHTSEE
 PDQCEKFRKAFSHLTDLRKHQKINAREKPYECECGKVSYPANLAQHGGVHVEKPYECKECGEAFRTSR
 QLTVHHRFHYGEKPYECKECGAFSVYGRLSRHQSIHTGEKPFECNCKGKSFRLKAGLKVHQSIHTGEK
 HECKECGKAFRQFSLVGHKRIHTGEKPYECKECGKGFTCRYQLTMHQRIYSGEKHYECKENGEAFSSGH
 QLTAPHTFESVEKPYKCEECGAFSVHGRLTRHQGIHSGKKPYECNCKGKSFRLNSSLKIHQNIHTGEK
 YKCKECGKAFSQRHLAHNRIHTGYKPFECKECGKSFRCASYLVIHERIHTGEKPYVCQECGKGSYSYH
 KLTIIHRRVHTGEKPYECKECGAFSVSGQLTQHLSIHSGKRPFECNCKGKSFRLISVLKAHQNIHSAEK
 YECKECGKAFRHATSLIYHDRTHAGEKSYECKECGETFSHSHLIIHERIHTSDKPYECKRCGKAHFCAS
 YLVRHESVHADGNPYMCEECEGAFNSSHLSIHHRVHTGEKPFCKNCKRRSFRLRSILEVHORIHI

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 032689

ORF Size: 2088 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_032689.3](#), [NM_032689.4](#), [NP_116078.3](#)

RefSeq Size: 4327 bp

RefSeq ORF: 2091 bp

Locus ID: 84775

UniProt ID: [Q96SK3](#)

Cytogenetics: 19q13.12

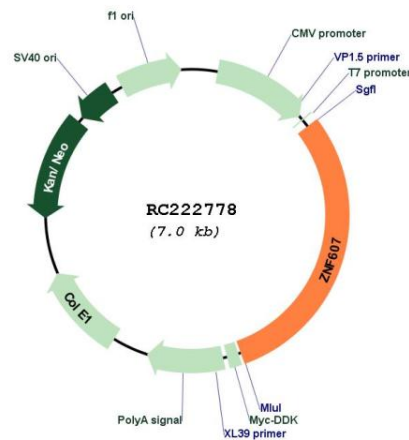
Domains: zf-C2H2

Protein Families: Transcription Factors

MW: 80.5 kDa

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

Product images:



Circular map for RC222778