

Product datasheet for **RG202278**

ZNF212 (NM_012256) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF212 (NM_012256) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF212
Synonyms:	C2H2-150; ZNF182; ZNFC150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG202278 representing NM_012256
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGTCGGCGCCTGCTCGGCACAGGAGAAAACGACGCTCCACACCTTTAACTTCTCCACACTTC
 CTTCAACAAGCAACAGAGAAAAGCTCCTATTTTCAGACCACCGAGATTTCACTCTGGACGGTGGTGGCCGC
 TATTCAGGCTGTGGAGAAGAAGATGGAGTCCCAGGCTGCCCGGCTACAGAGCCTGGAGGGGCGCACGGGG
 ACAGCCGAGAAGAAGCTGGTACTGCGAGAAGATGGCCGTGGAGTTCGGGAACCAGCTGGAGGGCAAGT
 GGGCCGTGCTGGGACCTGCTGCAGGAGTATGGGCTACTGCAGAGGCGGCTGGAGAACCTGGAGAACCT
 GCTGCGCAACAGGAATTCTGGATCCTGCGGCTGCCCGGCGAGCAAGGGGAGGCCCCCAAGGTGTCC
 AGGTCACTGGAGAATGATGGCGTCTGTTTCACCGAGCAGGAATGGGAGAATCTGGAGGATTGGCAGAAGG
 AGCTCTACAGAAACGTGATGGAGAGTAATAATGAGACACTGGTCTCTCTGAAGTCTTGGCCAGACAGA
 GGGAGAAGCGGAGTTGGGTACAGAGATGCTGGGTGACTTGAAGAGGAAGTCTGGTGGTCCCCACCCA
 GCAGGTGGGGTATGATCAAACAGGAGCTACAGTATACACAGGAAGGCCCTGCGGATCTTCTGGAGAGT
 TCTCATGCATTGCTGAAGAGCAGGCTTCTGAGCCAGAGCAGACCGAACTCTGGGGTGGTCAGGGCAG
 TTCTGTCTCTTGGAAACAGGTCTGGGACTCTACTCTAGAGGAGCCTGTTGGTAGTAGAGTTCCTAGC
 AGCAGCAGAACTGTGGGTGCCGAAGCAGAAATCTCATAGGCAGGTACAGCTGGACCAGGAATGTGGGC
 AGGGCTGAAGCTGAAAAAGGACACTTCCC GCCCTACGAATGTTCTGAGTGTGAGATCACCTCCGCTA
 TAAGCAGCAGCTGGCCACACATCTGCGCAGCCACTCTGGTGGGGTCTGTACACCTGAGGAGCCAGAG
 GAGAGCCTTAGGCCAGCCACGGCTGAAACCACAGACCAAAAAGCCAAGCTGCATCAGTGTGATGTGT
 GCCTGAGGAGCTTCACTGCAAGGTGAGCCTGGTGACCCATCAGCGTTGCCACCTGCAGGAGGGGCCAG
 TGCCGGCCAGCATGTCCAAGAGAGGTTCTCACCAACAGCCTGGTTGCCCTGCCTGGCCACATCCCTTGG
 AGGAAAAGCCGGAGTTCCTCATCTGTGGTACTGTGGCAAGAGCTTCAGTCACCCATCTGACTTGGTGC
 GGCACCAGCGCATCCACACGGGTGAGCGGCCCTACAGCTGCACTGAGTGTGAGAAGAGCTTTGTCCAGAA
 GCAGCACCTCTGCAGCACCAGAAGATCCACCAGCGGGAGCGGGTGGGCTGGCCCTGGAGCCCGGAAGG
 CCCAATGGCCTGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG202278 representing NM_012256
 Red=Cloning site Green=Tags(s)

MAESAPARHRRRSTPLTSSTLPSQATEKSSYFQTTEISLWTVVAIIQAVEKKMESQAARLQSLEGRGTG
 TAEKKLADCEKMAVEFGNQLLEGKWAFLGTLLEQYGLLQRRLENVENLLRNRNFWILRLLPPGSKGEAPKVS
 RSLNDGVCFTEQEWELEDWQKELYRNVMSNYETLVSLKVLGQTEGEAELGTEMLGDLEEEGPGGAHP
 AGGVMIKQELQYTQEGPADLPGEFSCIAEEQAFLSPEQTELVWGGQSSVLLLETGPGDSTLEEPVGSRVPS
 SSRTVGC PKQKSHRQVQLDQECGQGLKLLKDDTSRYPYECSECEITFRYKQQLATHLRSHSGWGSCTPEEPE
 ESLRPRPRLKPQTKAKLHQCDVCLRSFSCKVSLVTHQRCHLQEGPSAGQHVQERFSPNSLVALPGHIPW
 RKSRSSLICGYCGKSF SHPSDLVRHQRIHTGERPYSCTECKSFVQKQHLLQHQKIHQRERGGLEALEPGR
 PNGLL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_012256

ORF Size: 1485 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.

RefSeq: [NM_012256.4](#)

RefSeq Size: 2796 bp

RefSeq ORF: 1488 bp

Locus ID: 7988

UniProt ID: [Q9UDV6](#)

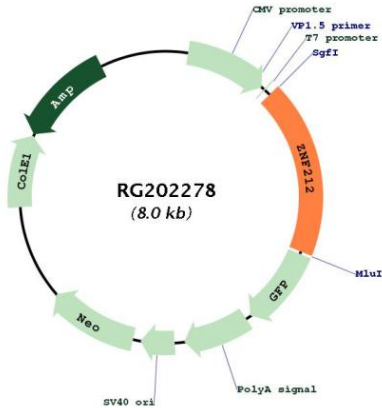
Cytogenetics: 7q36.1

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: This gene belongs to the C2H2-type zinc finger gene family. The zinc finger proteins are involved in gene regulation and development, and are quite conserved throughout evolution. Like this gene product, a third of the zinc finger proteins containing C2H2 fingers also contain the KRAB domain, which has been found to be involved in protein-protein interactions. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202278