

Product datasheet for **RG222571**

ZNF12 (NM_006956) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF12 (NM_006956) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF12
Synonyms:	GIOT-3; HZF11; KOX3; ZNF325
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG222571 representing NM_006956
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAATAAATCCCTGGGCCAGTGTCAATCAAGGACGTGGCTGTGGACTTCACCCAGGAGGAATGGCAGC
 AGCTGGATCCTGAGCAGAAGATAACTTACAGGGATGTGATGCTGGAGAAGTACAGCAATCTAGTTTCTGT
 GGGGTATCACATTATCAAACCGGATGTTATCAGCAAGTTGGAGCAAGGAGAAGAGCCATGGATAGTAGAA
 GGAGAATTCCTACTTCAGAGCTATCCAGATGAAGTCTGGCAAAGTATGACCTAATAGAGAGAATCCAGG
 AAGAGGAAAAAATCACTTCAAGGCAAACTGTGTTCAATGAGACCTGATTGAAGAGAGAGAATATATTAG
 TAGTGATGGAAGCTATGCAAGAATGAAAGCTGATGAATGTAGTGGATGTGGGAAATCACTCTCCATATT
 AAGCTTGAGAAAATCATCCAGGAGATCAAGCTTATGAATTTAATCAAAATGGGGAACCTTATACTCTAA
 ATGAAGAAAGTCTTTATCAGAAAATTCGATTTTGGAGAAACCTTTGAATATATTGAATGCCAGAAAGC
 CTTCCAAAAGGACACTGTTTTTGTAAATCACATGGAAGAAAAGCCCTATAAGTGAATGGATCTGAAATA
 GCCTTTCTCCAGATGTCCGACCTCACTGTACATCAGACATCTCATATGGAATGAAGCCCTATGAATGCA
 GTGAATGTGGGAAATCCTTCTGTAAAAAGTCAAAATTTATTATACATCAGAGGACTCACACAGGAGAGAA
 ACCTTACGAATGTAATCAGTGTGGGAAATCCTTCTGCCAGAAGGGAACCTTACTGTGCATCAGAGAAAC
 CACACAGGGGAGAAGCCCTATGAATGTAATGAATGTGGGAAGAACTTTTACCAGAAGTTACACCTCATTC
 AGCATCAGAGAACTCACTCAGGAGAGAAGCCCTATGAATGTAGTTATTGTGGAAAATCCTTTGCCAGAA
 GACACACCTCACACAACATCAGAGAACACATTCAGGAGAGAGACCTTATGTTTGCATGACTGTGGGAAA
 ACCTTCTCGCAGAAGTCAGCACTTAATGACCATCAGAAAATTCACACAGGTGTGAACTCTACAAGTGTA
 GTGAATGTGGGAAATGCTTCTGCCGCAAGTCTACTCTCAGACCCACCTGAGGACCCACACAGGAGAGAA
 ACCGTATGAATGTAATGAGTGTGGAAAATCTTCTCTCGGTTGTCATATCTCACTGTACATTATAGAAT
 CATTACAGGAGAGAAACCTATGAATGTAATGAATGTGGAAAAACCTTCTACCTGAATTCAGCCCTCATGA
 GACATCAGAGAGTGCACACAGGAGAGAAACCTTACGAATGTAATGAATGTGGAAAGTTATTCTCCAGTT
 GTCATACCTCACTATCCATCATAGAATCATTACAGGAGTAAAACCTATGAATGTAGTGAATGTGGGAAA
 ACCTTCTACCAGAACTCAGCCCTTTGTAGACATCGGAGAATACACAAAGGAGAGAAGCCCTATGAATGCT
 ATATATGTGGAAAATCTTCTCTCAGATGTCATACCTCACTATACATCATAGAATTCATTACAGGAGAGAA
 GCCCTATGAATGTAGTGAATGTGGGAAAACCTTCTGCCAGAATTCAGCCCTTAATCGACATCAGAGAACA
 CACACAGGAGAGAAAGCCTACGAATGTTATGAATGTGGGAAGTGCTTCTCTCAGATGTCCTATCTACTA
 TACATCATCGAATTCATTACAGGAGAGAAACCTTTGAATGTAATGAGTGTGGAAAAGCCTTCTCTCGGAT
 GTCATACCTCACTGTACATTATAGAATCATTACAGGAGAGAAACCTATGAGTGTACTGAATGTGGAAAA
 AAATTCTACCACAAATCAGCATTCAACAGCCATCAGAGAATTCATAGGAGAGGCAATATGAATGTAATAG
 ATGTGGGAAGGCTTCTC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG222571 representing NM_006956
 Red=Cloning site Green=Tags(s)

MNKS LGPV SFKD VAVD FTQE EWQL DPEQ KITY RDVM LENYS NLV SVGY HI IKPD VISK LEQG EEPW IVE
 GEFL LQSY PDVW QTDDL IERI QEEEN KPSR QT VFIET LIEERE YISS DGSY ARMA DECS GCGK SLLHI
 KLEK THPG DQAY EFNQ NGEP YTLNEE SL YQKIR ILEK PFYIEC QAKAF QKDT VFV NHMEEK PYKWN GSEI
 AFLQMS DLTV HQTSH MEMK PYECSE CGKSF CKKSK FIIHQ RTHT GEKPYECN QCGK SFCQ KGT LTVHQ RT
 HTGEK PYECNE CGKN FYQKLHL IQHQR THSG EKPYEC SYCGK SFCQ KTHL TQHQR THSG ERPY VCHDC GK
 TFSQK SALND HQIHTG VKLYK CSECG KCF CRKSTL TTHLR THTGEK PYECNE CGKFF SRLSYL TVHYRT
 HSGEK PYECNE CGKTFY LNSAL MRHQ RVHTGEK PYECNE CGKLF SQLSYL TIHHR THSGVK PYECSE CGK
 TFYQNSAL CRHRI HKGEK PYECYICG KFFSQMS YLTIHHR IHSGEK PYECSE CGKTF CQNSALNR HQRT
 HTGEKAY ECEG KCFSQMS YLTIHHR IHSGEK PFECNE CGKAFSRMS YLTVHYR THSGEK PYECTEC GK
 KFYHKS AFNSHQ RIHRRGNM NVIDVGRLL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_006956

ORF Size: 1977 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_006956.3](#)

RefSeq Size: 4960 bp

RefSeq ORF: 1980 bp

Locus ID: 7559

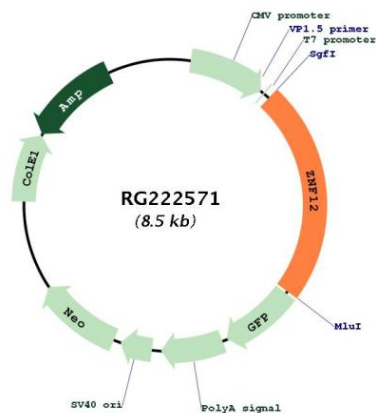
UniProt ID: [P17014](#)

Cytogenetics: 7p22.1

Protein Families: Transcription Factors

Gene Summary: This gene is a member of the krueppel C2H2-type zinc-finger protein family and encodes a protein with eight C2H2-type zinc fingers and a KRAB domain. This nuclear protein is involved in developmental control of gene expression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG222571