

Product datasheet for **RG230410**

ZNF573 (NM_001172690) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF573 (NM_001172690) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF573
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG230410 representing NM_001172690
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTTTCCAGTATTGGAACCCACCAAGTAGGACTGATCAGGTCTTACAATTCTAAAACCATGACCTGTT
TTCAGGAATTAGTGACATTCAGGGATGTGGCCATAGACTTCTCTCGGCAGGAGTGGGAATACCTGGACCC
TAATCAGAGGGACTTATACAGGGATGTGATGTTGGAGAATATAGAAACCTGGTATCACTGGGAGGACAT
TCCATTTCTAAACCAGTTGTGGTTGATTTACTGGAGCGAGGAAAAGAGCCCTGGATGATTTTGAGGGAAG
AAACACAGTTCACAGATTTGGATTTACAGTGTGAGATAATCAGCTACATAGAAGTACCCACTTATGAAAC
AGATATATCCTCTACACAACCTCAGAGCATATATAAGAGAGAGAACTCTATGAATGTAAGAAATGTCAG
AAGAAATTTAGTAGTGGTTATCAACTTATTCTACATCACAGGTTTCATGTCATTGAGAGACCCTATGAAT
GCAAAGAGTGTGGGAAGAACCTTCGTAGTGGCTATCAACTTACTCTACATCAAAGATTTCACTGTTGA
GAAACCTATGAATGTACAGAATGTGGGAAGAACCTTAGAAGTGGTTATCAGCTGACTGTGCATCAGAGA
TTTCATACTGGTGAGAAAACCTATGAATGTAGGCAGTGTGGGAAGGCCTTTATATATGCCTCACACATTG
TTCAACATGAGAGAATTCACACTGGTGGGAAGCCGTATGAATGTCAAGGAGTGTGGGAGGGCCTTTAGTCA
AGGTGGACATCTTAGAATTCATCAGAGAGTTCATACTGGCGAAAAACCATATAAATGTAAGGAATGTGGG
AAGACTTTTAGTAGGCGCTCAAATCTTGTGTAACATGGGCAGTTTCATACTGATGAGAAGCCATACATAT
GTGAGAAATGTGGAAAGGCCTTTAGAAGAGTCAACAGCTTACTGTACATCAGAGAGTTCACACTGGTAA
AAAGCCATATGAGTGTAAAGAATGTGGGAAGGGCTATACCACTGCCTCATACTTTCTTCTACATCAGAGA
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TGTTTCAAACCTTTTCAACATCAGAAAACCTCATACTGGCGAGAAAACCTATGAATGCAAGGAATGCGGA
AAGGCCTTTAGCTTGTATGGCTACCTTAAACAACATCAGAAAATTCATACTGGCATGAAACACTTTGAAT
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ACTCATACTGGTGAGAAAACCTATAAATGTAAGGAATGTGGCAAGACCTTTAGCTTGCATGGATATCTTA
ATCAACATCAGAAAATTCATACTGGTATGAAACCTATGAATGTAAGGTATGTAGAAAAACCTTTACTTT
CTATAGAAATCTTACTCTACATCAAAGTATTCATACTGATGAGAAAACCTTTTGAATGTAAGGAATGTGGG
AAGACCTTTAGACGTAGTTCACACCTTACTGCACATCAGAGCATTGATGCTGATAAAAAACCTATGAAT
GTAAGAATGTGGAAAGGCCTTTAAAATGTATGGCTACCTTACCAACATCAGAAAATTCATACTGGTGG
AAAACCTTATGAATGTAAGAATGTGGGAAGGCCTTCAGTCGTGCTTCAAACCTTGTTCACATGAGAGA
ATTCATACTGGTGAGAAAACCTATGTGTGTAAGCAGTGTGGGAAAACCTTCAGATATGGTTCAGCCCTTA
AAGCCATCAGAGAATTCATAGGAGCATAAAAAGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230410 representing NM_001172690
 Red=Cloning site Green=Tags(s)

MFPVLEPHQVGLIRSYNSKTMTCFQELVTFRDVAIDFSRQEWYLDPNQRDLYRDVMLENYRNLVSLGGH
 SISKPVVVDLLERGKPEWMILREETQFTDLDLQCEIISYIEVPTYETDISSTQLQSIYKREKLYECKKCCQ
 KKFSSGYQLILHHRFHVIERPYECKECGKNFRSGYQLTLHQRFHTEGKPYECTECGKNFRSGYQLTVHQR
 FHTGEKTYECRQCCKAFIYASHIVQHERIHTGGKPYEQECGRAFSQGGHLRIHQRVHTGEKPYCKECCG
 KTFRRSNLVEHQFHTDEKPYICEKCGKAFRRGHQLTVHQRVHTGKPYECKECCGKGYTTASYFLLHQR
 IHKGGKPYECKECKKFTFLYRNLTRHQNIHTGEKLFECKQCGKTYTTGSKLFQHQKTHTEGKPYECKECCG
 KAFSLYGLKQHQKIHTGMKHFECKECKKFTFLYRNLTRHQNIHTGKLFECKQCGKAYSTGNSLIQHRK
 THTEGKPYCKECCGKTFSLHGYNQHQKIHTGMKPYECKVCRKTFYRNLTLHQSHTDEKPFECKECCG
 KTFRRSSHLTAHQSIHADKPYECKECCGKAFKMYGYLTQHQKIHTGGKPYECKECCGAFSRASNLVQHER
 IHTGEKPYVCKQCGKTFRYGSALKAHQRIHRSIKV

TRTRPLE - GFP Tag - V

Restriction Sites:

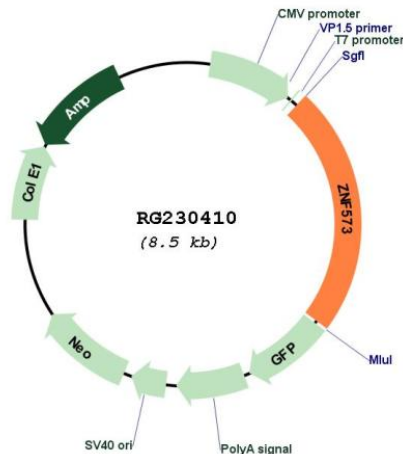
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001172690

ORF Size: 1995 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_001172690.1](#), [NP_001166161.1](#)
RefSeq Size: 2257 bp
RefSeq ORF: 1998 bp
Locus ID: 126231
UniProt ID: [Q86YE8](#)
Cytogenetics: 19q13.12
Protein Families: Transcription Factors
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]