

Product datasheet for **RG238530**

ZNF286 (ZNF286A) (NM_001288644) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF286 (ZNF286A) (NM_001288644) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF286A
Synonyms:	ZNF286
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238530 representing NM_001288644.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCGCGACTCCGAGCTGGCCAAAGAAGTTCGTCCCCTTTGTGAGCCCCGGGATGGGAGCTCTGTCTTC
CCAGGATTCCTCCCAATTTCCAAGAGAAGAGCACAGAAGAGGGAGAAGTGGCTGCTCTGCGCCTCACGGC
CAGATCCCAAGGGCTTCCAGTTTCCAACCTGAGAGCTACAACCTGGAGAATGAAAAAGAACCATTGAAG
CTTGAGAGAAAAGCCCCAAAAGCAGCTATTGAGACATGGAGACTAGACCACAGAGCAAGGATTCAACT
TCAGTGAAGATTTTTCCAAGCAGAATCATGCAAAGTTGCAATAATAGACAGACTGACACGGAATAGT
GTCTATGACTCTAACTTGAAGCAGCCCTTGAATGTGAAAATTGGTTAGAGAATCAGCAAGGAAATCAG
GAGAGACATTTGAGAGAAATGTTCACTCACATGAATTCCTCTGAGGAAACAGACCATAAGCATGAT
GTATACTGAAAAGCTTCAATCAGAAATCTGCTTATCACTGAAGACAGAGTTCCTCAAAGGATCTTAT
GCCTTCCATACACTTAAAAAGCTTGAACAAAAATCAAACCTAATGAAAAAGCAGAGAACTTAAAA
GAGAAAAAACCTCATAAATGTAATGATTGTGGTGAACCTTACCTACCATTGAGTCTTATTCGACAC
CAGAGAGTCCATACTGGAGAGAAACCTATACCTGCAATGAATGTGGAAATCTTTAGCCACAGAGCT
AATTTAACTAAACACCAGAGAACTCATACTAGAATTCTCTTTGAATGCAGTGAATGCAAGAAAACCTTC
ACAGAAAGCTCATCCCTTGAACACATCAGAGAATTCACGTTGGAGAGAGACCTTATGAATGCAATGAA
TGTGGGAAAGGTTTTAATCGAAGTACACATCTTGTGCAGCATCAGTTGATTCATACTGGAGTGAAGCCT
TATGAATGTAATGAATGTGATAAAGCTTTTATTCACTCAGCACTCATTAAACATCAAAGAAGTCAAT
ACTGGAGAGAAACCTTATAAATGTCAAGAATGTGGGAAAGCCTTAGCCATTGCTCATCCCTAACTAAG
CATCAGAGAGTTCATACTGGAGAAAAGCCATATGAATGCAGTGAATGTGGAAAAACTTTTGTGAGGAAA
ACACATCTTGTTCACATCAGAGAATTCACACTGGAGAGAAAACCTATGAGTGAATGATGTGGGAAA
ACCTTTCAGCCGGAGCTCCAATTTTGTCTAAACATCAAAGAATTCATATTGGAAGAAAACCGTACAAATGT
AGCGAGTGTGAAAAGCCTTCATTCATTCATCAGCTCTCATTCAACATCAGAGAACTCATACCGGAGAG
AAACCTTTAGATGTAATGAGTGTGGGAAAAGCTTAAAGTGCAGTTCATCTCATCAGACATCAAAGA
GTTCACTGAAGAGCAACCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG238530
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MRDSELAKEVRPLCEARDGSSVFPGFSPFPREEHRRGRSGCSAPHGQIPGLPVSKPESYNLENGKEPLK
LERKAPKSSYSMETRPQSKDSTSVQDFSKAESCKVAIIDRLTRNSVYDSNLEAALEECENWLENQQGNQ
ERHLREMFTHMNSLSEEDHKHDVYWKSFNQKSVLITEDRVPKGSYAFHLEKSLKQKSNLMKKQRTYK
EKKPHKCNDGELFTYHSLIRHQRVHTGEKPYTCNECGKSFHRANLTKHQRTHTRILFECSECKKTF
TESSSLATHQRIHVGERPYECNECGKGFNRSTHLVQHQLIHTGVKPYECNECDKAFIHSSALIKHQRTH
TGEKPYKCQECGKAFSHCSSLTKHQRVHTGEKPYECSECGKTFSSQSTHLVQHQRITHTGEKPYECNECGK
TFRSSNFQKHQRIHIGKPKYKSECGKAFIHSSALIQHQRHTHTGEKPFRCNECGKSFKCSSSLIRHQ
VHTEEQP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI
BamHI *KpnI*
RBS
Kozac
Consensus
SgfI
AscI

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGGCCAGATCT

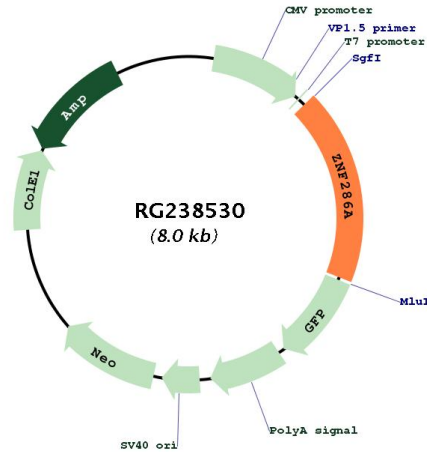
HindIII
NheI *RsrII*
MluI
NotI
XhoI
GFP Tag

CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

T R T R P L E
M E S D
- - -

PmeI
FseI

--- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT
 - - E E R V Stop

Plasmid Map:


ACCN: NM_001288644

ORF Size: 1470 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).

RefSeq: [NM_001288644.1](#), [NP_001275573.1](#)

RefSeq Size:	5125 bp
RefSeq ORF:	1230 bp
Locus ID:	57335
UniProt ID:	Q9HBT8
Cytogenetics:	17p12
Protein Families:	Transcription Factors
MW:	56.9 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]