

Product datasheet for **RG223700**

ZNF430 (NM_025189) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF430
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG223700 ORF sequence, **codon optimized**.
Due to the complexity of NM_025189, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAATCTGAAATCAGGCGGTACCCGCTGAAGGAAGCCAGCGGTGCCCCGGCGCGGATAGAAACC
TGCTCGTTTACTCCTTCTACGAAAAAGGCCCTGACATTTGAGATGTGGCCATCGAATTTTCTCTGGA
GGAGTGGCAGTGCTTGGACACCGCTCAGCAGGACCTCTATCGGAAGGTTATGCTTGAGAACTACCGCAAT
CTCGTGTCTTGGCCGAATGCTGTTAGTAAACCGGATTTGATAACCTGCCTGGAGCAAGGCAAGAAC
CCTGGAATATGAAAGGCACGCAATGGTGGACAGCCCCAGTGACATACTCTCACTTCGCACAGGACCT
GTGGCCAGAGCAGGAATAAAGGATAGTTTCCAAGAGGTTATCCTGCGCGGATACGGAAGTGCGGCCAC
GAGGATCTGCAGCTGCGGACCGGTTGCAATCCGTTGATGAGTGCAACTGCACAAAGAGTGTTATGATG
AACTGAACCAATGTCTTACTACCACCCAGTCTGAGATCTTCCAGTATGACAAATACGTGAACGTTTTTAA
CAAGTTCTCAAACTCAACATTCAAAGATCCGGCATACTGGCAAGAAGCCGTTAAGTGCAAAAAGTGT
GACAAGTCTTTCTGTATGCTGTTGCACCTGACGAGCATAAGCGGATCCACATACGGGAAAAATAGTTACC
AGTGTGAGGAATGCGGCAAGTGTTCAACTGGTTAGCACATTGACTAGGCATCGACGATCCACACAGG
GGAGAAGCCTTACAAATGCGAGCAGTGCGGAAAGCTTTTAAACAATCTTCTACGTTGACAACCCATAAG
ATCATCCACACCGGTGAGAAGCCTTATAGATGTGAGGAATGCGGAAAGACCTTTAACCGCTCTTCCACC
TGACAACCCACAAAGGATCCACACAGGGGAAAGCCATACAGGTGTGAGGAATGCGGGAGAGCTTTTAA
TCGCAGCTCTCACCTGACAACCCACAAGATAATCCACACCGGCGAAAAACCTTATAATGTGAAGAGTGT
GGAAAGGCCTTTAATCAGAGCTCTACCTTACGACTCACAAGATCATTACGCGAGCGAGAAACCATACA
AGTGTGAAGAATGTGAAAGGCCTTTTACAGATTCTCCTATCTGACAAAGCACAATCATCCATACAGG
TGAGAAGTTTTTATAAATGTGAGGAGTGCGGCAAGGGGTTAACTGGAGTTCCACCCTGACCAAAACATAAG
CGCATACATACAGGAGAAAAACCATATAAGTGCGAACAGTGCGGAAAGGCCTTCAATGAGTCAAGCAATC
TCACTGCCACAAGATAATCCATACTGGCGAGAAGCCTTATAATGCGAAGAATGTGAAAAGCATTTAA
CAGGTCCCCAAAATTACCGCCATAAGGTTATTCATAGCGGAGAGAAACCATACAAGTGCGAAGAGTGT
GGAAAAGCTTTTAAATCAATTTAGCAACTTGACTAAGCATAAAATCACCCATATTGGTGACACATCTTATA
AGTACCTTGAATGTGATAAAGCATTCTCCAGTCCAGCACACTGACTAAGCATAAGGTGATCCACACCGG
CGAAAAGCCATATAACTGCGAGGAATACGGCAAAGCCTTCAATCAGAGTAGTAATCTGATTGAGCAGTCA
AATTCATATTGGCGAGAGACGCTCCAGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223700 representing NM_025189
Red=Cloning site Green=Tags(s)

MENLKSQVYPLKEASGCPGADRNLVVSFYKGLPTFRDVAIEFSLEEWQCLDTAQQLYRKVMLENYRN
LVFLAGIAVSKPDLITCLEQGKEPWNMKRHAMVDQPPVTYSHFAQDLWPEQGIKDSFQEVILRRYKCGH
EDLQLRTGCKSVDECNLHKECYDELNQCLTTTQSEIFQYDKYVNVFYKFSNPNIQKIRHTGKKPFCKKC
DKSFCMLLHLTQHKRIHIRENSYQCEECGKVFNFSTLTRHRIHTGEKPYKCEQCGKAFKQSSLTTHK
IIHTGEKPYRCEECGKTFNRSSHLTTHKRIHTGEKPYRCEECGRAFNRSSTLTHKIIHTGEKPYKCEEC
GKAFNQSSLTTHKIIHAGEKPYKCEECGKAFYRFSYLTCHKIIHTGEKPYKCEECGKFNWSSTLTHK
RIHTGEKPYKCEQCGKAFNESSNLTAHKIIHTGEKPYKCEECGKAFNRSPKLTAHKVIHSGEKPYKCEEC
GKAFNQFSNLTHKIIHTGDSYKYLECDKAFSQSSSTLTHKVIHTGEKPYNCEEYKAFNQSSNLIEQS
NSYWRETLQM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025189

ORF Size: 1710 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).

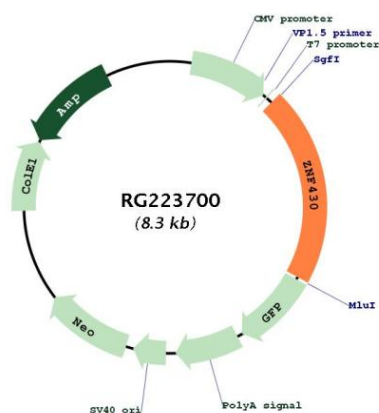
Reconstitution Method:

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_025189.3](#), [NP_079465.3](#)

RefSeq Size:	3886 bp
RefSeq ORF:	1713 bp
Locus ID:	80264
UniProt ID:	Q9H8G1
Cytogenetics:	19p12
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG223700