

Product datasheet for **RG205237**

ZNF223 (NM_013361) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF223
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205237 representing NM_013361
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCATGTCCAAGGAGGCAGTGACCTTCAAGGATGTGGCAGTGGTCTTCACTGAGGAGGAGCTGGGGC
TGCTGGACCTTGCCAGAGGAAGCTGTATCGAGATGTGATGCTGGAGAACTTCAGGAACCTGCTGTCAGT
GGGGCATCAACATTCCACCGAGATACTTTCCACTTTCTAAGGGAGGAAAAGTTTGGATGATGGATATA
GCAACCCAAAGAGAAGGGAATTCAGGAGGCAAGATCCAACCTGAGATGAAGACTTTTCCAGAAGCAGGAC
CACATGAAGGGTGGTCTGCCAGCAGATCTGGGAAGAAATTGCAAGTGATTTAACAGGCCCTCAAGACTC
TACCATAAAGAGCTCTCAGTTCTTTGAACAGGGTGATGCCCACTCCCAGGTTGAGGAAGGAATATCTATA
ATGCACACAGGACAGAAACCTTCCAATTGTGGGAAGGTAAACAATCCTTCAGTGATATGTCCATCTTTG
ATCTTCTCAGCAAATACGCTCAGCAGAGAAGTCTCATTCTGTGATGAGTGTGAAAAAGCTTCTGTTA
CATCTCAGCACTTCATATTCATCAGAGAGTCCACCTGGGAGAGAACTCTTAAGTGTGACGTGTGTGGT
AAGGAATTCAGTCAGAGTTTACATCTGCAAACTCATCAGAGAGTCCATACTGGAGAGAACTTTCAAAT
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ATTCACACAGGGGAGAAGCCATTCAAATGTGAGATATGTAGTGTGAGCTTCCGCTCTTAGGTCAAGTCTTA
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AAGAGCTTCAGACGGTCTCTATCTTTTATCCATCAGCGAGTCCACACTGGAGAAAAGCCATACAAAT
GTGACAAGTGTGGGAAGAGCTACATTACTAAGTCAGGTCTTGACTTGCAACACAGAGCCACACAGGAGA
GAGACCTTATAACTGTGATGACTGTGGGAAGAGCTTTAGACAGGCCTCAAGTATTTGAATCATAAGAGA
CTCCATTGCCGAAAAAAACCATTCAAATGTGAGGATTGTGAAAGAAGCTTGTATACCGGTATACCGTA
AAGACCAACAAAAAACCAAGTGGAGAAAATCCATCCAAATGTGAAGACTGTGGGAAGCGCTACAAGAG
GCGCTTGAATCTTGATATAATTTTATCATTATTTTAAATGACACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG205237 representing NM_013361

Red=Cloning site Green=Tags(s)

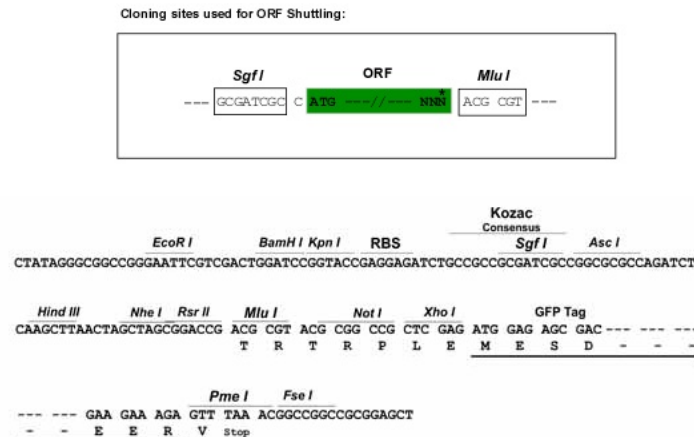
MTMSKEAVTFKDVAVVFTEELGLLDLAQRKLYRDVMLENFRNLLSVGHQPFHRDTFHFLREEKFWMMDI
ATQREGNSGGKIQPEMTFPEAGPHEGWSQQIWEEIASDLTRPQDSTIKSSQFFEQDAHSQVEEGISI
MHTGQKPSNCGKCKQSFSDMSIFDLPPQIRSAEKSHSCDECGKSFICYISALHIHQRVHLGEKLFKCDVCG
KEFSQSLHLQTHQRVHTGEKPFKCEQCGRGFRCSALT VHCKLHMGEKHYNCEACGRAFIHDFQLQKHQR
IHTGEKPFKCEICSVSFRLLRSSLNHRHCVHTGKKPNSTGEYKGFIRRLDLCKHQT IHTGEKPYNCKECG
KSFRRSSYLLIHQRVHTGEKPYKCDKCGKSYITKSGLDLHHRHTGERPYNCDGCKSFRQASSILNHRK
LHCRKKPFKCEDCGKLVYRSYRKDQKNHSGENPSKCEDCGKRYKRLNLDIILSLFLNDT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_013361

ORF Size:

1446 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:

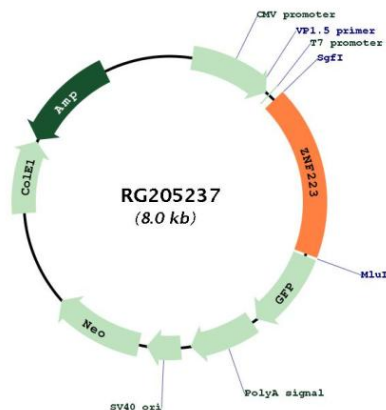
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_013361.3</u>
RefSeq Size:	2431 bp
RefSeq ORF:	1449 bp
Locus ID:	7766
UniProt ID:	<u>Q9UK11</u>
Cytogenetics:	19q13.31
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein containing a Kruppel-associated box domain and multiple zinc finger domains. The function of this protein has yet to be determined. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RG205237