

Product datasheet for **RG205702**

ZNF875 (NM_181786) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF875
Synonyms:	HKR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205702 representing NM_181786
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGGGTCAACACACAGTGTCTACAATGCTCCCTACATGCATGGTTACAGACAAACCATGAGTTGTT
 CCGGGGCTGGAGGAATAACGGCGTTCTGGCATTCAAGGATGTGGCTGTGTACTTCACCCAGGAGGAGTG
 GAGGTTGTTGAGCCCTGCTCAGAGGACCCTGCACAGGAGGTGATGCTGGAGACTTATAACCATCTGGTC
 TCACTGGAAATTCATCTTTAAACCAAACTCATTGCTCAGCTGGAGCGAGGGGAAGCGCCCTGGAGAG
 AGGAGAGAAAATGTCCACTGGACCTCTGTCCAGAATCGAAGCCAGAAATCAACTTAGTCCCTCTGCCC
 TCTGATTTTCTCCAGTCAGCAAGCTCTCAGCCCAACATGTGTGGCTGAGTCATCTCTCAGCTGTTTTCA
 AGTTTTATGGGAGGAAATCCTCTCCACCTGGGAAAACACTATCCAGAAGATCAGAAAACAACAGCAGGATC
 CATTCTGCTTTAGTGGCAAGCAGAATGGATTCAAGAGGGAGAAGACTCCAGACTCCTGTTTGGGAGAGT
 AAGCAAAATGGCACTTCAAAGGCCTTTCCAGCCACCTGAAGAACAACAGCCAGCACAGTCCAAGGAA
 GACAACACAGTGGTGGATATAGGGTCCAGCCCTGAACGGAGGGCAGATCTAGAGGAAACAGACAAAGTAT
 TGCATGGTTTGAAGTCTCAGGATTGGAGAAATCAAATATGAAGAGTTTGGGCCAGGCTTTATCAAGGA
 GTCAAACCTCCTTAGCCTCCAGAAGACACAACTGGGGAGACACCTTACATGTACACTGAGTGGGGAGAC
 AGCTTTGGCAGTATGTCACTCCTCATCAAAACCCAAGGACACACTCTGGGGGAAAGCCTTATGTGTGCA
 GGGAAATGTGGGCGAGGCTTTACGTGGAAAGTCAAACCTGATCACACATCAGAGGACACACTCAGGGGAGAA
 ACCTTATGTGTGCAAGGATTGTGGACGAGGCTTTACTTGAAGTCAACCTCTTTACACATCAGCGGACA
 CACTCAGGGCTCAAGCCTTATGTGTGCAAGGAATGTGGGCAGAGCTTTAGCCTGAAGTCAAACCTCATT
 CCCACCAGAGGGCGCACACTGGGGAGAAGCCTTATGTTTGCAGGAATGTGGGCGTGGCTTTGCCAGCA
 TTCACACCTGGTCAGACACAAGAGGACACATTCAGGAGAGAAGCCTTACATTTGCAGGGAGTGTGAGCAA
 GGCTTTAGCCAGAAGTCAACCTCATCAGACACTTAAGGACACACACAGGAGAGAAGCCTTATGTATGCA
 CAGAATGTGGGCGTCACTTTAGCTGGAATCAAACCTCAAACACACAGAGGACACACTCAGGGGTTAA
 ACCTTATGTCTGCCTGGAGTGGGGCAGTGCTTTAGCCTGAAGTCAAACCTTAACAAACACCAGAGGTCA
 CACACGGGGGAGAAGCCATTTGTATGTACGGAGTGTGGGCGAGGCTTTACCCGGAAATCAACCTGAGCA
 CGCACCAGAGGACACACTCAGGGGAGAAGCCATTTGTATGTGTGAGTGTGGACGAGGCTTTAATGATAA
 GTCCACCTCATTTACACCAGAGGACACATTCAGGGGAAAAGCCTTTTATGTGAGGAGTGTGGCAGA
 AGGTTTCGGCAGAAGCCTAACCTGTTTAGGCACAAGAGGCGCACACTCAGGTGCCTTTGTGTGAGGAGT
 GTGGGCAAGGCTTTTGTGCTAAGTTAACTCTATTAAACACCAGAGAGCACACGAGGGGGGAAGCCTCA
 TGTGTGAGGAGTGTGGGCAAGGCTTTAGCCGGCAGTCACACCTATTAGACACCAGAGGACACATTCA
 GGAGAGAAGCCTTATTTGCAGAAAGTGTGGACGGGCTTTAGTCGGAAGTCCAACCTTATCAGACATC
 AGAGGACACACTCAGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

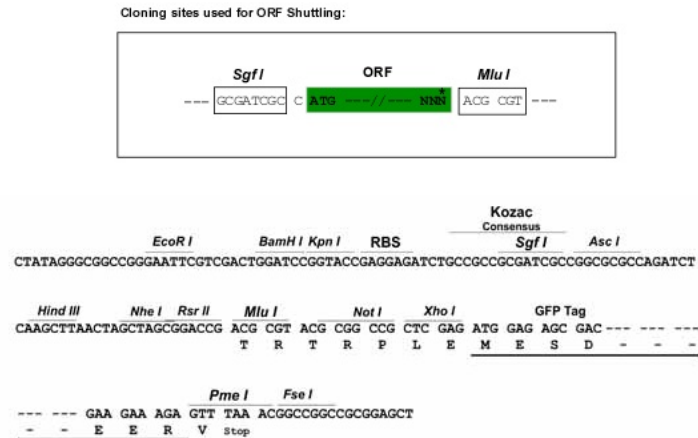
Protein Sequence: >RG205702 representing NM_181786
 Red=Cloning site Green=Tags(s)

MRVNHTVSTMLPTCMVHRQTMSCSGAGGITAFVAFRDVAVYFTQEEWRLLSPAQRTHLHREVMLETYNHLV
 SLEIPSSPKLIAQLERGEAPWREERKCPDLCPESKPEIQLSPSCPLIFSSQALSQHVWLSHLSQLFS
 SLWAGNPLHLGKHYPEDQKQQDPFCFSGKAEWIQEGEDSRLLFGRVSKNGTSKALSSPPEEQPAQSKE
 DNTVVDIGSSPERRADLEETDKVLHGLEVSGFGEIKYEEFGPGFIKESNLLSLQKTQTGETPYMYTEWGD
 SFGMSVLIKNPRTHSGGKPYVCREGRGFTWKSNIITHQRTHSGEKPYVCKDCGRGFTWKSNIIFTHQRT
 HSGLKPYVCKECCQSFLKSNLIITHQRAHTGEKPYVCREGRGFRQHSILVRHKRTHSGEKPYICRECEQ
 GFSQKSHLIRHLRTHTEKPYVCTECGRHFSWKSNIITHQRTHSGVKPYVCECGQCFSLKSNLNKHQRS
 HTGEKPFVCTECGRGFTRKSTLSHQRTHSGEKPFCVCAECGRGFNDKSTLSHQRTHSGEKPFCMCRECGR
 RFRQKPNLFRHKRAHSGAFVCRECGQGFCAKLTLIKHQRHAHAGGKPHVCRECGQFSRQSHLIRHQRTHS
 GEKPYICRKCGRGSRSNLIIRHQRTHSG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181786

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:

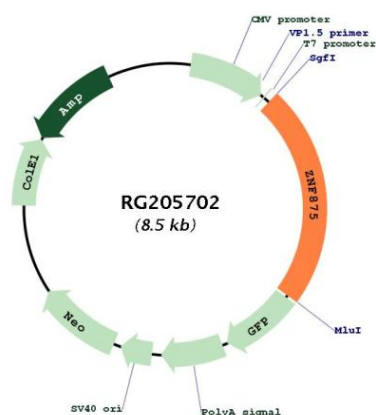
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_181786.3](#)

RefSeq Size: 2952 bp

RefSeq ORF:	1980 bp
Locus ID:	284459
UniProt ID:	P10072
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG205702