

Product datasheet for **RG207338**

ZNF8 (NM_021089) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF8 (NM_021089) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF8
Synonyms:	HF.18; Zfp128
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207338 representing NM_021089
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCCGAGGACGAAGGGTAGCGGGAGTGATGTCTGTGGGGCCCGCGGCCGGCTTCAGGAAC
 CAGTGACCTTCCGGGATGTGGCTGTGGACTTTACCCAGGAGGAATGGGGGACGCTGGACCTACCCAGAG
 GATCCTCTACCGTGACGTGATGTGGAGACCTTTGGTCACCTGCTCTCCATAGGTCTGAGCTTCCGAAG
 CCTGAAGTCATCTCCAGCTGGAGCAAGGGACCGAGCTATGGGTGGCTGAGAGAGGAACCCAGGGCT
 GCCATCCAGCCTGGGAGCCTCGATCTGAAAGCCAAGCATCACGCAAGGAAGGGGCTGCCTGAAGAGGA
 GCCATCCCATGTCACGGGAAGGAAGGATTCCCGACAGATGCTCCTTATCCACCACGTTAGGGAAAGAC
 AGGGAGTGTGAGCCAGAGTCTGGCACTCAAGGAGCAGAATAACTTGAAGCAGTTGGAATTTGGCCTCA
 AGGAAGCACCAGTTCAAGATCAAGGCTACAAACTCTCAGACTCAGGGAAAACGCGTCTGAGTTCAAG
 CCCAAATCCATCCAGAGATCTCTAGAGGGGAGTATTTGTATACTTACGACTCACAGATTACAGACTCA
 GAACATAACTCCAGCTTAGTCAGTCAGCAGACAGGCTCCCGAGGAAAACAGCCCGGTGAAAACAGTGACT
 GTCACAGAGATCCAGTCAGGCCATTCCAATTACGGAACTCACAAAAGCCAGGTGCAGGACAAAACCTA
 CAAATGTACTGACTGTGGGAAGTCGTTTAAACATAACGCACACCTCACCGTGACAAGAGGATTCATACG
 GGAGAAAGACCTTATATGTGCAAGGAGTGTGGAAAGCCTTCAGCCAGAACTCCTCCCTCGTCCAGCATG
 AGCGCATCCACTGGAGACAAGCCCTACAAGTGTGCCGAATGTGGGAAGTCTTCTGCCATAGTACACA
 CCTTACCGTCCATCGGAGGATTCACACTGGGGAGAAGCCCTATGAGTGTGAGGACTGTGGGAGGGCCTTC
 AACCGAACTCCTCCCTGGGGCGGCACAAGAGGACACACACTGGGGAGAAGCCATACACCTGCAGTGTGT
 GTGGGAAATCCTTCTCTCGGACCACTTGCCCTTTCTGCACTGAGAATCACACCGAGGAGAGGCCCTA
 CGAGTGTAACTGTCGGGAAGGGCTTCAGGCACAGTCACTCCCTGGCCCAGCACCAGCGGAAGCAGCGG
 GGGGAGAAGCCCTTGTAGTGCCGCCAGAGGCTGATCTTTGAGCAGACGCCAGCTCTCACAAAGCATGAAT
 GGACAGAAGCCCTGGGCTGTGACCCACCTTTGAGTCAAGATGAGAGGACTCACCGAAGCGACAGACCCTT
 CAAATGTAATCAGTGTGGGAAGTGTTCATTGAGGCTCTCACCTCATCCGGCACCAGATAAATCACACC
 AGAGAGGAGCAGCCCATGGGCGAAGCCGGCGGCTGAACAGTCTCGAGCAGGAACTCACACCTGGTTC
 AGCATCAACACCCGAATCCAGAAAGAGCTCTGCAGGCGGAGCAAAGGCAGGGCAGCCGAAAGCAGAGC
 CCTGGCTTTGTTGACATCCAAAAATCATGCAAGAGAAAAACCTGTGCACGTTATTGGGGTGAAGAG
 CCTTCTGTGGGTCTTCCATGTTATTTGACATCAGAGAATCCACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207338 representing NM_021089
 Red=Cloning site Green=Tags(s)

MDPEDEGVAGVMSVGPAAARLQEPVTFRDVAVDFTQEEWGQLDPTQRILYRDVMLETFGHLLSIGPELPK
 PEVISQLEQGTTELWVAERGTTQGCHPAWEPRSESQASRKEEGLPEEESHVGTGREGFPTDAPYPTTLGKD
 RECQSQSLALKEQNLKQLEFGLKEAPVQDQGYKTLRLRENCVLS SSPNPFPEISRGEYLTYDSQITDS
 EHNSSLVSQQTGSPGKQPGENS DCHRDSQAIPITELTKSQVQDKPKYKCTDCGKSFNHNHHLTVHKRIHT
 GERPYMCKEKGAFSQNSSLVQHERIHTGDKPYKCAECGKSFCHSTHLTVHRIHTGEKPYECQDCGRAF
 NQNSSLGRHKRHTGKPYTCSVCGKSFRTTCLFLHLRTHTEERP YECNHCGKGF RHSSSLAQHQKHA
 GEKPFECRQRLIFEQTPALTKHEWTEALGCDPPLSQDERTHRSDRPFKCNQCGKCFIQSSHLIRHQIHT
 REEQPHGRSRRREQSSRN SHLVQHQPNSRKSSAGGAKAGQPESRALALFDIQIMQEKNPVHVI GVEE
 PSVGASMLFDIRECT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_021089

ORF Size: 1725 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_021089.1](#), [NP_066575.1](#)

RefSeq Size: 2210 bp

RefSeq ORF: 1728 bp

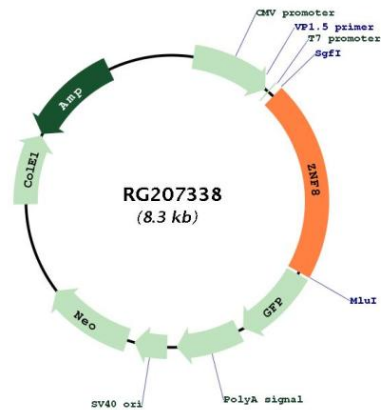
Locus ID: 7554

UniProt ID: [P17098](#)

Cytogenetics: 19q13.43

Gene Summary: Transcriptional repressor. May modulate BMP and TGF-beta signal transduction, through its interaction with SMAD proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207338