

## Product datasheet for **RG208633**

### ZNF488 (NM\_153034) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: ZNF488 (NM\_153034) Human Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: ZNF488  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >RG208633 representing NM\_153034  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCAGAGTGGCCACCTTGCTTATCTGTGGCCCCGGCCCTGGTGTACCCATGGCAGCTGGGAAGGGAG  
 CCCCCTTGAGCCCATCGGCTGAAAACAGATGGCGACTTAGCGAACCTGAGCTGGGCCGGGGCTGCAAGCC  
 AGTGCTGCTCGAGAAGACGAACCGCCTGGGCCCTGAGGCTGCTGTGGCAGGGCGGGCCGGGATGTGGG  
 AGTGCGGAGCTGGCACTGTTGGTAGCCCCAGGCAAGCCCCGACCTGGCAAGCCGCTGCCCCGAAGACAC  
 GTGGAGAGCAGAGGCAGAGCGCCTTACCGGAGCTGCCGAGGATGAAGGACCGGCAGGTGGATGCTCAGGC  
 CCAGGAGAGGGAGCACGATGACCCACAGGCCAACCTGGTGCCCCACAGCTGACCCAGAACATCCCCAGA  
 GGCCAGCTGGCAGCAAAGTCTTCTCTGTGTGGCCAGCGGAGCACGAAGTGAGCAAAGAAGCGCCTTTA  
 GCAAACCAACCAAGCGACCAGCAGAGAGGCCTGAGCTAACCTCAGTCTTCCCTGCAGGGGAATCTGCAGA  
 TGCCCTGGGGGAGCTGTCTGGACTCCTCAACACTACAGACCTCGCTTGTGGGGTGCAGTTTCAACTCCC  
 AAGCTTTTGGTTGGTGATTTGTGGAACCTGCAAGCATTGCCACAGAATGCTCCACTCTGTAGCACTTTTC  
 TGGGTGCCCTACACTGTGGCTGGAGCATACCCAGGCCAGGTGCCCCACCCTCATCATCTCCACCAC  
 TTCGTGGGCCCTCTGCCACCCACCCTCACCTCCCTGGGCTTGTCCACCCAGAAGTGGTGTGCAAAGTGC  
 AACCTGTCTTTTCGCTAACGTCCGACCTGGTCTTTCACATGCGATCCCACCACAAAAGGAGCATGCGG  
 GGCTGACCCACATTCTCAGAAGCGGAGAGAAGAGGCCCTTGCCCTGCCCTGTGTGCCAGGAGCACTCCG  
 GGAGCGCCACCACCTCTCCCGGCACATGACTTCTCACAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG208633 representing NM\_153034  
 Red=Cloning site Green=Tags(s)

MPEWPPCLSVAPALVITMAAGKGAPLSPSAENRWRLSEPELGRGCKPVLLEKTNRLGPEAAVGRAGRVDG  
 SAELALLVAPGKPRPGKPLPPKTRGEQRQSAFTTELPRMKDRQVDAQAEREHDDPTGQPGAPQLTQNI  
 PRGPAGSKVFSVWPSGARSEQRSASF SKPTKRPAERPELTSVFPAGESADALGELSGLLNTTDLACWGR  
 LSTPKLLVGDWNLQALPQNAPLCSTFLGAPTLWLEHTQAQVPPPPSSSTTSWALLPPTLTSGLSTQ  
 NWCACC NLSFRLTSDLVHMRSHHKKEHAGPDPHSQKRREEALACPVCQEHFRERHHL SRHMTSHS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_153034

**ORF Size:** 1020 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.

**RefSeq:** [NM\\_153034.4](#)

**RefSeq Size:** 3513 bp

**RefSeq ORF:** 1023 bp

**Locus ID:** 118738

**UniProt ID:** [Q96MN9](#)

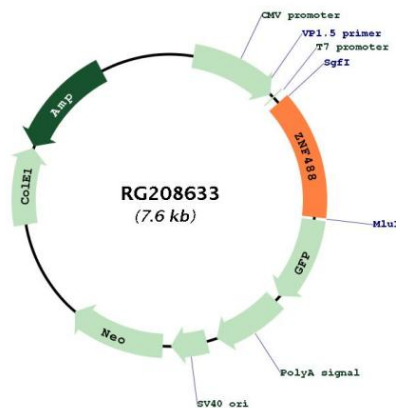
**Cytogenetics:** 10q11.22

**Domains:** zf-C2H2

**Protein Families:** Transcription Factors

**Gene Summary:** Transcriptional repressor. Plays a role in oligodendrocyte differentiation, together with OLIG2. Mediates Notch signaling-activated formation of oligodendrocyte precursors. Promotes differentiation of adult neural stem progenitor cells (NSPCs) into mature oligodendrocytes and contributes to remyelination following nerve injury.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG208633