

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**

ATGCCAGAGTGGCCACCTTGCTTATCTGTGGCCCCGGCCCTGGTGATCACCATGGCAGCTGGGAAGGGAG
 CCCCCTTGAGCCCATCGGCTGAAAACAGATGGCGACTTAGCGAACCTGAGCTGGGCCGGGGCTGCAAGCC
 AGTGCTGCTCGAGAAGACGAACCGCCTGGGCCCTGAGGCTGCTGTGGCAGGGCGGGCCGGGATGTGGG
 AGTGCGGAGCTGGCACTGTTGGTAGCCCCAGGCAAGCCCCGACCTGGCAAGCCGCTGCCCCGAAGACAC
 GTGGAGAGCAGAGGCAGAGCGCCTTACCGGAGCTGCCGAGGATGAAGGACCGGCAGGTGGATGCTCAGGC
 CCAGGAGAGGGAGCACGATGACCCACAGGCCAACCTGGTGCCCCACAGCTGACCCAGAACATCCCCAGA
 GGCCAGCTGGCAGCAAAGTCTTCTCTGTGTGGCCAGCGGAGCACGAAGTGAGCAAAGAAGCGCCTTTA
 GCAAACCAACCAAGCGACCAGCAGAGAGGCCTGAGCTAACCTCAGTCTTCCCTGCAGGGGAATCTGCAGA
 TGCCCTGGGGGAGCTGTCTGGACTCCTCAACACTACAGACCTCGCTTGTGGGGTGCAGTTTCAACTCCC
 AAGCTTTTGGTTGGTGATTTGTGGAACCTGCAAGCATTGCCACAGAATGCTCCACTCTGTAGCACTTTTC
 TGGGTGCCCTACACTGTGGCTGGAGCATACCCAGGCCAGGTGCCCCACCCTCATCATCTCCACCAC
 TTCGTGGGCCCTCTGCCACCCACCCTCACCTCCCTGGGCTTGTCCACCCAGAAGTGGTGTGCAAAGTGC
 AACCTGTCTTTTCGCTAACGTCCGACCTGGTCTTTCACATGCGATCCCACCACAAAAGGAGCATGCGG
 GGCTGACCCACATTCTCAGAAGCGGAGAGAAGAGGCCCTTGCCTGCCCTGTGTGCCAGGAGCACTCCG
 GGAGCGCCACCACCTCTCCCGGCACATGACTTCTCACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG208633 representing NM_153034
 Red=Cloning site Green=Tags(s)

MPEWPPCLSVAPALVITMAAGKGAPLSPSAENRWRLSEPELGRGCKPVLLEKTNRLGPEAAVGRAGRVDG
 SAELALLVAPGKPRPGKPLPPKTRGEQRQSAFTTELPRMKDRQVDAQAEREHDDPTGQPGAPQLTQNI
 PRGPAGSKVFSVWPSGARSEQRSASF SKPTKRPAERPELTSVFPAGESADALGELSGLLNTTDLACWGR
 LSTPKLLVGDWNLQALPQNAPLCSTFLGAPTLWLEHTQAQVPPPPSSSTTSWALLPPTLTSGLSTQ
 NWCACC NLSFRLTSDLVFMRSHHKKEHAGPDPHSQKRREEALACPVCQEHFRERHHL 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.

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

RefSeq: [NM_153034.4](#)

RefSeq Size: 3513 bp

RefSeq ORF: 1023 bp

Locus ID: 118738

UniProt ID: [Q96MN9](#)

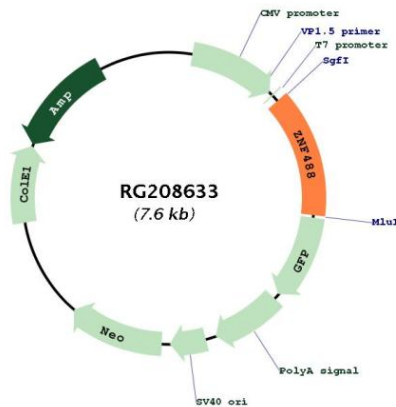
Cytogenetics: 10q11.22

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