

Product datasheet for **MC214775**

Zfp488 (NM_001013777) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zfp488 (NM_001013777) Mouse Untagged Clone
Tag: Tag Free
Symbol: Zfp488
Synonyms: Gm1206; Znf488
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214775 representing NM_001013777
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGCTGGAACATCCACCTTGCTTAGCCTGTAGGCCCTGCTGATCACATGGCTGAGGGCAAAGGGG
CTCCTCTGAGGCCTTCAGTTGAGAAGAGATGGAAGCTCATGGAACCAAGCAGACCCAGGCAGGGATGTT
CAAGAAAATGAGCCTTGTGGACTCTGACTGCTGCAGGAAAGGGTAGCCAAGATGAGGCCTATACTGAA
CTGAGCCTGCCAACAGCACCAGCAACAGCCTCGACTGGACAGGCCTCGGGCCTGCAAGGCATACACAGAGC
AGAGGCACAATACCTTCACAGAGCTATCATGTCTCCAGGAGAGGCCAGGGGACATCCAGGCCAGACGAG
GAAGCTGGAGAACCCAGAAGGCCAGCTCGGCCCTCAGCAGCTGCCCTCGAGTTTCCTCAGAGCCTCAGGT
GATGGCACAGTGTGTTACAGATGGCCAGGTGCCCGGAGTGAGCAGAAAAGTGCTTTCAGCAAGCCAG
CCAAACGCCAGCAGAGAAAACCTAAGCGCTCTCCATGCTTCTGGCTGGTGAAGTGAGAGGGCTCATG
GGAGCTCTCAGGACTCATCACCCTGTGGACATCCCATATTGGGCTCATCTGTCAACTTTCAGTTTCATG
GGTGATTTCTGGAATTGCACACATTGTCACAGAACATTCTCCTCTGCAATGCTTTCAGGGGGCTCCCA
CACCATGGCTGGAGCATACCCAGGTACAAGCCCCACATCCTCAGCTCCTCCTCCACAGCCTCCCGGG
TCTCTTGCCGCCACACTCTCCTCCTGGGCTTGTCTACTCAGAACTGGTGTGCGAAGTGCAACCTAGCC
TTTCGCTGACAGCTGACCTGGTCTTCCACATGCGGTACATCACAAAAGGGAACACGTGGGCCCTGACC
CACATTCTAAGAAACGAAGAGAGGAAGTTCTCACTTGCCCGTTTGCCACGAGTACTTCCGGGAGCGCCA
CCATCTGTCCAGGCATATGGCTTACATAGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013777



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Insert Size:	1014 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_001013777.2</u> , <u>NP_001013799.2</u>
RefSeq Size:	4318 bp
RefSeq ORF:	1014 bp
Locus ID:	382867
UniProt ID:	<u>Q5HZG9</u>
Cytogenetics:	14 B
Gene Summary:	Transcriptional repressor (PubMed:16908628). Plays a role in oligodendrocyte differentiation, together with OLIG2 (PubMed:16908628, PubMed:22355521). Mediates Notch signaling-activated formation of oligodendrocyte precursors (PubMed:16908628). Promotes differentiation of adult neural stem progenitor cells (NSPCs) into mature oligodendrocytes and contributes to remyelination following nerve injury (PubMed:22355521). [UniProtKB/Swiss-Prot Function]