

Product datasheet for MR204625

Zfp488 (NM_001013777) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp488 (NM_001013777) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp488
Synonyms:	Gm1206; Znf488
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204625 representing NM_001013777 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCTGCTGGAACATCCACCTTGCTTAGCCTGTCAGGCCCTGCTGATCACATGGCTGAGGGCAAAGGGG
CTCCTCTGAGGCCTTCAGTTGAGAAGAGATGGAAGCTCATGGAACCAAGCAGACCCAGGCAGGGATGTT
CAAGAAAATGAGCCTTGTGGACTCTGACACTGCTGCAGGAAAGGGTAGCCAAGATGAGGCCTATACTGAA
CTGAGCCTGCCAACAGCACCGAACAAGCCTCGACTGGACAGGCCCTCGGCCTGCAAGGCATACACAGAGC
AGAGGCACAATACCTTCACAGAGCTATCATGTCTCCAGGAGAGGCCAGGGGACATCCAGGCCAGACGAG
GAAGCTGGAGAACCAGAAAGGCCAGCTCGGCCCTCAGCAGCTGCCCTCGAGTTTCCTCAGAGCCTCAGGT
GATGGCACAGTGTGTTACAGCATGGCCAGGTGCCCGGAGTGAGCAGAAAAGTGCTTTCAGCAAGCCAG
CCAAACGCCAGCAGAGAAAACCTAAGCGCTCTCCCATGCTTCTGGCTGGTGGAAAGTGAGAGGGCTCATG
GGAGCTCTCAGGACTCATCACCCTGTGGACATCCCATATTGGGCTCATCTGTCACTTTCAAGTTCATG
GGTATTCTGGAAATTGCACACATTGTCACAGAACATTCTCCTTGCAATGCTTTCAGGGGGCTCCCA
CACCATGGCTGGAGCATACCCAGGTACAAGCCCCACATCCTCAGCTCCTTCCACAGCCTCCCGGGC
TCTCTTGCCGCCACACTCTCCTCCTTGGGCTTGTCTACTCAGAACTGGTGTGCGAAGTGCAACCTAGCC
TTTCGCTGACAGCTGACCTGGTCTTCCACATGCGGTACATCACAAAAGGGAACAGTGGGCCCTGACC
CACATTCTAAGAAACGAAGAGAGGAAGTTCTCACTTGCCCCGTTGCCACGAGTACTCCGGGAGGCCCA
CCATCTGTCCAGGCATATGGCTTACATAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204625 representing NM_001013777
 Red=Cloning site Green=Tags(s)

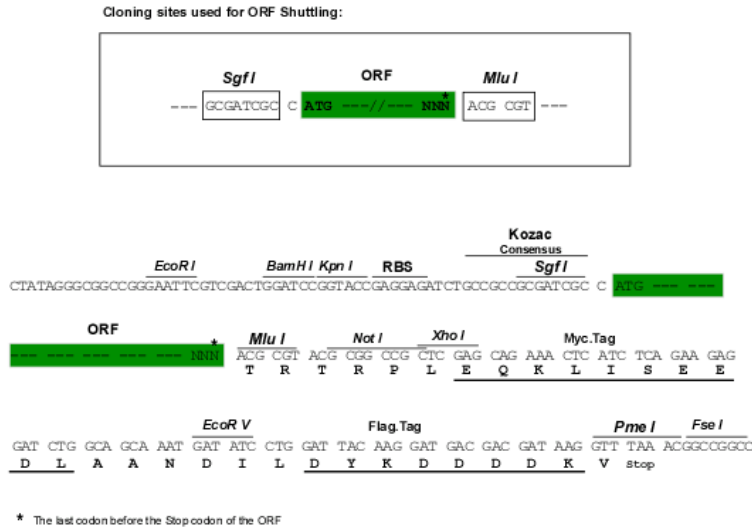
MAAGTSTLLSLSGPADHMAEGKGAPLRPSVEKRWKLMPEKQTQAGMFKKMSLVSDTAAGKGSQDEAYTE
 LSLPTAPNKPRDRPRACKAYTEQRHNTFTELSCLQERPGDIQAQTRKLENPEGQLGPQQLPSSFLRASG
 DGTVCSAWPGAPRSEQKSAFSAKPAKRAEKPKRSPMLLAGGSAEGSWELSGLITTVDIPYWAHLSTFKFM
 GDFWKLHTLSQNIILLCNAFQGAPTPWLEHTQVQAPTSSAPSSTASRALLPPTLSSLGLSTQNWCAKCNLA
 FRLTADLVFHMRSHHKREHVGPDPHSHKRRREEVLTCPVCHEYFRERHHLSRHMASHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9071_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013777

ORF Size: 1011 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_001013777.2](#), [NP_001013799.2](#)

RefSeq Size: 4318 bp

RefSeq ORF: 1014 bp

Locus ID: 382867

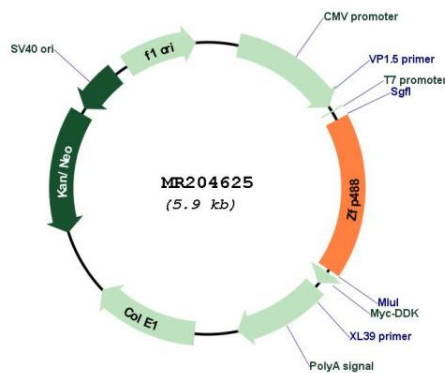
UniProt ID: [Q5HZG9](#)

Cytogenetics: 14 B

MW: 37.2 kDa

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]

Product images:



Circular map for MR204625