

## Product datasheet for **MC204895**

### Opalin (NM\_153520) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Opalin (NM_153520) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Opalin
Synonyms:	Tmem10; Tmp10
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC060980  
 AGTGAGAGAGAAGCCTGCCAAGGGGGCCTGTCCAGAAATGAGTTTTTCACTGAACTTTACTGCCATCGA  
 ATACGACATCCTCTCCAGTTGTACGAGTGCCAAAGCCACAGACTGTGGTCCCTCTATTGGACTGGCAGC  
 CGGAATCCCATCCCTGCTGGCCACAGCCCTGCTGGTGGCTTTGCTGTTTACCTTGATCCAGCGAAGAAGA  
 ACCATCGATGATGAGCCGTAGAGGAGACTGAGATACCATGTGAAATTTGAGAACTCTATGACAATCCCA  
 AAATATCTGAGAACTCCTAGGCGGTCAACACACATGAAATGAACCCACGGGGCAGCCAAGAAGGGCAGAT  
 ATATGTGAAGACTGTCTCGGGAAGCGAGGAGCCCTGCCGGACACCTACCGTCTCTGAAGAACTAGAA  
 AGGAGAAGAGGATTTTGGTGGCTGTACCCAGCCTGAGCCTAGAATGATGTACCCGCATCAGGGAGCAGA  
 CCCAGAGCTGGATCAGGGCTGAAAACCTGGAATCTGTGCTCAGGGTTCATGCTTGGAGAGGCGAGGAGTC  
 AGCTGCCTCTCACTCAACATCAATTTCAATTTATAGATCCAAGACACATCTGGCTGCCTTGCCCTTTAGG  
 GGATGGTTGCAGGCAGGTTCAATTCGATCTCAGACCTTGCAGGGTAATCAGCAAGGCGACCCAGGTGAGTC  
 GACTATGTGTCCAGATGAGCCCGTATGTCTGTTTCTGAATCGAGAGAAGTCTGCCTTTGGGAAACGGC  
 TTGGCTCCCGAGTGCCTGCCTTCTCTACCTGCTCCAAATGTTATCATTTAAAAAATAATAAAGCTT  
 TGAGAGTTGGCATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Sfil-Sfil

**ACCN:** NM\_153520

**Insert Size:** 432 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).



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**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:** [BC060980](#), [AAH60980](#)

**RefSeq Size:** 883 bp

**RefSeq ORF:** 432 bp

**Locus ID:** 226115

**UniProt ID:** [Q7M750](#)

**Cytogenetics:** 19 C3

**Gene Summary:** Central nervous system-specific myelin protein that increase myelin genes expression during oligodendrocyte differentiation. Promotes oligodendrocyte terminal differentiation.  
[UniProtKB/Swiss-Prot Function]