

Product datasheet for **SC333388**

OPALIN (NM_001284326) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OPALIN (NM_001284326) Human Untagged Clone
Tag:	Tag Free
Symbol:	OPALIN
Synonyms:	HTMP10; TMEM10; TMP10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333388 representing NM_001284326. Blue=Insert sequence Red=Cloning site Green=Tag(s)

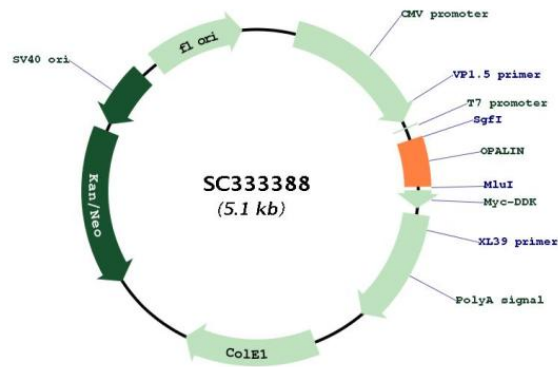
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGAAAGTGACAGACCATGTGAAATTTAGAAATTGATGACAATCCCAAGATATCTGAGAATCCT
AGGAGATCACCCACACATGAGAAGAATACGATGGGAGCACAAGAGGCCACATATATGTGAAGACTGTA
GCAGGAAGCGAGGAACCTGTGCATGACCGTTACCGTCCTACTATAGAAATGAAAGAAGGAGGGGATTG
TGGTGGCTTGTCAGACTGAGCCTGGAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001284326

Insert Size: 240 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_001284326.1</u>
RefSeq Size:	3413 bp
RefSeq ORF:	240 bp
Locus ID:	93377
UniProt ID:	<u>Q96PE5</u>
Cytogenetics:	10q24.1
Protein Families:	Transmembrane
MW:	9.3 kDa
Gene Summary:	<p>Central nervous system-specific myelin protein that increase myelin genes expression during oligodendrocyte differentiation. Promotes oligodendrocyte terminal differentiation. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (9) uses an alternate 5' terminal exon and uses a downstream start codon compared to variant 1. It encodes isoform f which has a shorter N-terminus compared to isoform a. Variants 9 and 10 encode the same isoform (f).</p>