

Product datasheet for SC333791

OPALIN (NM_001284324) Human Untagged Clone

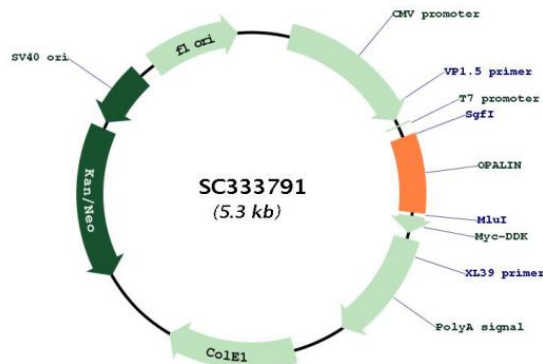
Product data:

Product Type: Expression Plasmids
 Product Name: OPALIN (NM_001284324) Human Untagged Clone
 Tag: Tag Free
 Symbol: OPALIN
 Synonyms: HTMP10; TMEM10; TMP10
 Vector: pCMV6-Entry (PS100001)
 Fully Sequenced ORF: >SC333791 representing NM_001284324.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCGGATGACGTCTCTCTGTACAGGTGGGAAAGAAACGGACTGTGGGCCCTCTCTTGGATTAGCG
GCGGGCATACCATTGCTGGTGGCCACAGCCCTGCTGGTGGCTTTACTATTTACTTTGATTCACCGAAGA
AGAAGCAGCATTGAGGCCATGGAGGAAAGTGACAGACCATGTGAAATTTAGAAATTGATGACAATCCC
AAGATATCTGAGAATCCTAGGAGATCACCCACACATGAGAAGAATACGATGGGAGCACAAGAGGCCAC
ATATATGTGAAGACTGTAGCAGGAAGCGAGGAACCTGTGCATGACCGTTACCGTCTACTATAGAAATG
GAAAGAAGGAGGGGATTGTGGTGGCTTGTGCCAGACTGAGCCTGGAATGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001284324



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Insert Size:	396 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_001284324.1</u>
RefSeq Size:	3345 bp
RefSeq ORF:	396 bp
Locus ID:	93377
UniProt ID:	<u>Q96PE5</u>
Cytogenetics:	10q24.1
Protein Families:	Transmembrane
MW:	14.7 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 (8) contains two alternate exons and uses an alternate start codon compared to variant 1. It encodes isoform c which is shorter and has a distinct N-terminus compared to isoform a. Variants 3, 6, 7 and 8 encode the same isoform (c).</p>