

Product datasheet for **SC127120**

OPALIN (NM_033207) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OPALIN (NM_033207) Human Untagged Clone
Tag:	Tag Free
Symbol:	OPALIN
Synonyms:	HTMP10; TMEM10; TMP10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127120 sequence for NM_033207 edited (data generated by NextGen Sequencing)

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ATGAGTTTTTCACTGAACCTTACCCTGCCGCGAACACAACGTCCTCCTGTCACAGGT
GGGAAAGAAACGGACTGTGGCCCTCTCTTGGATTAGCGCGGGCATAACCATTGCTGGTG
GCCACAGCCCTGCTGGTGGCTTTACTATTTACTTTGATTCACCGAAGAAGAAGCAGCATT
GAGGCCATGGAGGAAAGTGACAGACCATGTGAAATTTAGAAAATTGATGACAATCCCAAG
ATATCTGAGAAATCCTAGGAGATCACCCACACATGAGAAGAATACGATGGGAGCACAAGAG
GCCACATATATGTGAAGACTGTAGCAGGAAGCGAGGAACCTGTGCATGACCGTTACCGT
CCTACTATAGAAATGGAAAGAAGGAGGGGATTGTGGTGGCTTGTGCCAGACTGAGCCTG
GAATGA
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Clone variation with respect to NM_033207.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033207 unedited TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTACGAAGAAGTTCTCT GGGAGACTGTGAGAAATGAGTTTTTCACTGAACTTCACCCTGCCGGCAACACAACGTCC TCTCCTGTACAGGTGGAAAGAAACGGACTGTGGGCCCTCTCTTGATTAGCGGCGGGC ATACCATTGCTGGTGGCCACAGCCCTGCTGGTGGCTTTACTATTTACTTTGATTCACCGA AGAAGAAGCAGCATTGAGGCCATGGAGGAAAGTGACAGACCATGTGAAATTTAGAAATC GATGACAATCCCAAGATATCTGAGAATCCTAGGAGATCACCCACACATGAGAAGAATACG ATGGGAGCACAAGAGGCCACATATATGTGAAGACTGTAGCAGGAAGCGAGGAACCTGTG CATGACCGTTACCGTCTACTATAGAAATGAAAAGAGGAGGGGATTGTGGTGGCTTGTG CCCAGACTGAGCCTGGAATGATGCAGCTCAGTCAAGGAGCAGCAGACCTGGCACTGGAAC AGGGTTGAAAACCCAGGGTTTTGTACTTGGAGAGGAAAGATGCCAAGCTGCTTCTTAATC AATCCAAATTTTACAGCTCTGGAACACTNTGGGGCTGATTTGTCTCTTTAGGGGAC ATCCCCAATGGTTAATCCAACCTCAGATCTGTGCTTTAGTTAGTACATGTGACTC ACCAGATGGNGTCTTAGATCTNATTCTGCTCCAGTGGGAATNTGCTTTTCTTTGTCA TTTTGGGAAAGGNGCTGGTTTCTGAGTGTCTGGCCTTCTCATCTTTTTTTTTATATNCC TTTTCTCAAAAAGCCATCAGATCTGACTTCATGGGAAGTGTGCTGAGT
Restriction Sites:	NotI-NotI
ACCN:	NM_033207
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_033207.2</u> , <u>NP_149984.1</u>
RefSeq Size:	3555 bp
RefSeq ORF:	426 bp
Locus ID:	93377
UniProt ID:	<u>Q96PE5</u>
Cytogenetics:	10q24.1
Protein Families:	Transmembrane

Gene Summary:

Central nervous system-specific myelin protein that increase myelin genes expression during oligodendrocyte differentiation. Promotes oligodendrocyte terminal differentiation.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longest isoform (a).