

Product datasheet for **SC310960**

OPALIN (NM_001040103) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OPALIN (NM_001040103) Human Untagged Clone
Tag:	Tag Free
Symbol:	OPALIN
Synonyms:	HTMP10; TMEM10; TMP10
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001040103, the custom clone sequence may differ by one or more nucleotides ATGCGGATGACGTCCTCTCCTGTACAGGTGGGAAAGAAACGGACTGTGGGCCCTCTCTT GGATTAGCGGGGCATACCATTGCTGGTGGCCACAGCCCTGCTGGTGGCTTTACTATTT ACTTTGATTCACCGAAGAAGAAGCAGCATTGAGGCCATGGAGGAAAGTGACAGACCATGT GAAATTTAGAAATTGATGACAATCCCAAGATATCTGAGAATCCTAGGAGATCACCCACA CATGAGAAGAATACGATGGGAGCACAAGAGGCCACATATATGTGAAGACTGTAGCAGGA AGCGAGGAACCTGTGCATGACCGTTACCGTCCTACTATAGAAATGAAAGAAGGAGGGGA TTGTGGTGGCTTGTGCCAGACTGAGCCTGGAATGA
Restriction Sites:	Please inquire
ACCN:	NM_001040103
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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: [NM_001040103.1](#), [NP_001035192.1](#)

RefSeq Size: 3629 bp

RefSeq ORF: 396 bp

Locus ID: 93377

UniProt ID: [Q96PE5](#)

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 (3) contains an alternate exon 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).