

Product datasheet for **SC304204**

MYO16 (NM_015011) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYO16 (NM_015011) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYO16
Synonyms:	MYAP3; Myo16b; MYR8; NYAP3; PPP1R107
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015011, the custom clone sequence may differ by one or more nucleotides

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CACGCTGAGCCCAGGGTGCCTCCCCACCACCTTGCAAGAAGCCAGCCTTCTGAAGAAG
CCGGAAGGGCCCTCTGCAACAGGCTGCCGTCTGAGCTCTGGACACCACCATTTGA
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Restriction Sites:	Please inquire
ACCN:	NM_015011
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).
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_015011.1</u> , <u>NP_055826.1</u>
RefSeq Size:	6874 bp
RefSeq ORF:	5577 bp
Locus ID:	23026
UniProt ID:	<u>Q9Y6X6</u>
Cytogenetics:	13q33.3

Gene Summary:

This gene encodes an unconventional myosin protein. The encoded protein has been proposed to act as a serine/threonine phosphatase-1 targeting or regulatory subunit. Studies in a rat cell line suggest that this protein may regulate cell cycle progression. A variant within this gene may be associated with susceptibility to schizophrenia and elevated expression of this gene has been observed in the frontal cortex of human schizophrenia patients. [provided by RefSeq, Mar 2017]

Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.