

Product datasheet for **SC308120**

MYO18A (NM_203318) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYO18A (NM_203318) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYO18A
Synonyms:	MAJN; MYSPDZ; SP-R210; SPR210
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_203318, the custom clone sequence may differ by one or more nucleotides

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ATGTTTAACTAATGAAGAAAGACAAGGACAAAGATGGCGGGCGGAAGGAGAAGAAGGAG
AAAAAGGAGAAAAAGGAGCGGATGTCAGCGGCAGAGCTTCGGAGCCTGGAGGAGATGAGC
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GAGAAGCTGCGTGTGGCTCGGCGCCAGCCAGTGAAGCCACATTCAACGTCTTCTACTAC
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 TCCACAGTTATCTGAGTGACAGCGACACAGAGGCCAAGCTGACGGAGACTAACGCATAG

- Restriction Sites:** Please inquire
- ACCN:** NM_203318
- 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:**
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_203318.1](#), [NP_976063.1](#)
- RefSeq Size:** 7546 bp
- RefSeq ORF:** 6120 bp
- Locus ID:** 399687

UniProt ID: [Q92614](#)

Cytogenetics: 17q11.2

Gene Summary:

The protein encoded by this gene can bind GOLPH3, linking the Golgi to the cytoskeleton and influencing Golgi membrane trafficking. The encoded protein is also part of a complex that assembles lamellar actomyosin bundles and may be required for cell migration. [provided by RefSeq, Oct 2016]

Transcript Variant: This variant (2) lacks two alternate in-frame exons compared to variant 3. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform c.