

Product datasheet for **SC305543**

Myosin 1G (MYO1G) (NM_033054) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myosin 1G (MYO1G) (NM_033054) Human Untagged Clone
Tag:	Tag Free
Symbol:	Myosin 1G
Synonyms:	HA2; HLA-HA2; MHAG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305543 representing NM_033054. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
ATGGAGGACGAGGAAGGCCCTGAGTATGGCAAACCTGACTTTGTGCTTTTGGACCAAGTGACCATGGAG
GACTTCATGAGGAACCTGCAGCTCAGGTTTCGAGAAGGGCCGCATCTACACCTACATCGGTGAGGTGCTG
GTGTCCGTGAACCCCTACCAGGAGCTGCCCTGTATGGGCTGAGGCCATCGCCAGGTACCAGGGCCGT
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TCCAGGGACACCTGCATCGTCATCTCAGGGGAGAGTGGGGCAGGGAAGACAGAAGCCAGTAAACACATC
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TTTGGCAAGTACATGGACATCAACTTTGACTTCAAGGGGACCCGATCGGAGGACACATCCACAGCTAC
CTACTGGAGAAGTCTCGGGTCTCAAGCAGCACGTGGGTGAAAGAAACTCCACGCCCTTCTACCAATTG
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ACACACCAGGGAGCAGGACTCAACATGACTGTGCACAGTGCCCTGGACAGTGTGAGCAGAGCCACCAG
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CACCGTGGCATCCTGGCCGTGCTGGACGAGGCCTGCAGCTCTGCTGGCACCATCACTGACCGAATCTTC
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AAGACCATGGAGTTTGGCCGAGACTTCCGGATCAAGCACTATGCAGGGGACGTCACGTA
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 CCCACTTACGGGCCATGTGGCCGGACGGGACAGGACATCACAGAGGTGACCAAGCGCCCCCTGACG
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 GTCCGCTGCATCAAGCCAATGAGGACAAGGTAGCTGGGAAGCTGGATGAGAACCCTGTCGCCACCAG
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 TCTCGATTCTGCTCAGGTACAAGATGACCTGTGAATACACATGGCCCAACCACCTGCTGGGCTCCGAC
 AAGGCAGCCGTGAGCGCTCTCCTGGAGCAGCATGGGCTGCAGGGGACGTTGGCCTTTGGCCACAGCAAG
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 CAGGCTGCAAGGCAGCCGCCACTTACGGGCGTGACCTTGTGTGGCCGCTGCCCTGCTGTGCTGCAG
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 CCTTCAGACATGCCCCAGATCAAGGCCAAGGTGGCCGCCATGGGGCCCTGCAAGGGCTTCGTGAGGAC
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 AAGCTGGACCCTGACCGGAGTACCGGGTATGCGGGCCGTGCCCTTGAGGCGGTGACGGGGCTGAGC
 GTGACCAGCGGAGGAGACCAGCTGGTGGTGTGCACGCCCGCGCCAGGACGACCTCGTGGTGTGCTG
 CACCGCTCCCGGCCGATTGGACAACCGGCTTGGGGAGCTGGTGGGCGTGTGGCCGACACTGCCAG
 GGGGAGGGCCGCACCCTGGAGGTTCCGCTCTCCGACTGCATCCCACTAAGCCATCGCGGGGTCCGGCC
 CTCATCTCCGTGGAGCCAGCCGGAGCAGCCAGAGCCGATTTCCGCTGCGCTCGCGGCTCCTTACC
 CTGCTTGGCCAGCCGCTGA
 ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTAAACGGCCGGC

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_033054
- Insert Size:** 3057 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).
- 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_033054.1](#)

RefSeq Size: 3313 bp

RefSeq ORF: 3057 bp

Locus ID: 64005

UniProt ID: [B0I1T2](#)

Cytogenetics: 7p13

MW: 116.4 kDa

Gene Summary: MYO1G is a plasma membrane-associated class I myosin (see MIM 601478) that is abundant in T and B lymphocytes and mast cells (Pierce et al., 2001 [PubMed 11544309]; Patino-Lopez et al., 2010 [PubMed 20071333]).[supplied by OMIM, Jun 2010]