

Product datasheet for **MC225264**

Myo15 (NM_182698) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo15 (NM_182698) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myo15
Synonyms:	Myo15a; sh-2; sh2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225264 representing NM_182698 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACTCCATACGCAACCTGCCTTCTATGCGGTCCCCTGAGCAGCACAGGGAAGATGGAGTGGAGGACA
TGACGCAGCTGGAAGACCTCCAAGAGACCACTGTGCTAGCCAACCTAAAGACCAGATTTGAGCGAAACCT
CATCTATACCTATATTGGCAGTATTCTGGTGTCCGTGAACCCATATCGAATGTTTGCAATCTACGGGCT
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GCCATCGCAAGGTCTTGTATGCACTGTGTTGGCTGGCTCATCACCAGGGTCAACGCTCTGGTGTCCC
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ATGCCACTGCCAGAGTTTACCATCAAGCACTATGCAGGCAAGGTACCTACCAGGTGCACAAGTTCCTGG
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ACTTTGGCTGGAGTTTCGGGGCCGTCCACGGGCGCTAGGACGTTTTCTTCAGAGCTCGTGCAGCCCGC
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TGCAGCACCAGCCAGGACCAAGGACCACTTCTACCTGCCAGTGTGCGTGAAGTCCAAGAGTACATCCAGCCCA
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TCTTCTCATCCAGAGCTGCAGCAATGTCTTGGTGCCAGCCCCCTGTATCCTCGCTGTCAACCATAACGG
CCTCAACTTCTCAGCACCAAGACCCATGAGTTGATTGTGAAGATTCCCCTGAAGGAGATCCAGTCCAGG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_182698
Insert Size:	6921 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).
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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_182698.2 , NP_874357.2
RefSeq Size:	7953 bp
RefSeq ORF:	6921 bp
Locus ID:	17910
UniProt ID:	Q9QZZ4
Cytogenetics:	11 37.81 cM
Gene Summary:	Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments (By similarity). Required for the arrangement of stereocilia in mature hair bundles.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks two in-frame exons in the 5' coding region, compared to variant 1, resulting in a protein (isoform 2a) with a shorter N-terminus, compared to isoform 1.