

Product datasheet for MC212970

Sym (NM_183312) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sym (NM_183312) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sym
Synonyms: 4930412K21Rik; AI852401; Dmn; E130104F11; Syn; Synemin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212970 representing NM_183312
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGTCCTGGCGGCTGCAGACGGCTCTGAAAAGCGGAGCTGCAGGAGCTCAACGCCCGGCTTTACG
 ACTACGTGTGCCGGTGCAGAGCTGGAGCGGAGAACCTGCTACTGGAGGAGGAGTTGCGCAGCCGGCT
 GAGCCGGGAGGACCGCTGGGCTGAGGATCAGGCACTCTACGCCGAGGAGGCGCGCAGCCTACGACAGCAG
 CTAGATGAACTGAACTGGTCCACAGCCCTGGCCGAGGGCGAGCGCGACCGCTGCGGAGGAACTGCTGG
 AGCTGCAGCGGGAGGGTGTGGAAGCCGGCACTGCCCGCAGCCGCCTGGATGCCGAGCTGGGAGCGCAACG
 GCGGGAGCTAGAGGAGGCTCTGGGCGCGCGCCGCCCTCGAGGCGCTGCTGGGCGGCTGGAAACTGAG
 CGCCGCGACTTGGACGCTGCCCACGAACGCCAAGTGCAGATCTACGAGCCCGCGCTGCCAGCCTACCA
 TGCACTTCGAGCCCGCCACCAGCCCGCCGCGCCCGCGCGCTGCGGGACGTGCACGACAGCTA
 CGCCCTGCTGGTGGCCGAGTCGTGGAGGGAGAGCGTGCAGCTGTACGAGGACGAGGTGCGCGAGCTGGAG
 CAGGCGCTGCGCCGCGGCAAGAGAGCCGGCTCCAGCGGAGGACGAGGCGCGGCTGTGCGCGCAGGAGG
 CAGACCGCTGCGGAACCAGGCGCTGGAGTTGGAGCAGCTGCGCGGAGGCTGGAGGATGAGCTGCTGCG
 GATGCGCGAGGAGTACGGGATGCAGGCGGAGGAGCGGCAGAGAGTATTGACAGCCTGGAGGATGAGAAG
 GAAGCCCTTACCTTGGCCATGGCTGACCGCTGCGGGATTACCAGGAGCTCCTGCAGGTGAAGACTGGAC
 TCAGCTTGGAGGTAGCCACCTACAGGCGCTTGTGGAAGGAGAAAAGCAATCCGGAGATATTGATCTGGAC
 TGAGAACATTGAAAACGTGCCACAAGATGGATCTGAGCGACACGAGAGCGATCCGCAGCTGGACCCGAGA
 CACAGGTCGGAAGTGAAGCTCACGGCTGTCTACCGTGGTGGCTGGAGAATTGCACACAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_183312



Insert Size:	1116 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:	<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:	NM_183312.3 , NP_899135.3
RefSeq Size:	4513 bp
RefSeq ORF:	1116 bp
Locus ID:	233335
UniProt ID:	Q70IV5
Cytogenetics:	7 C
Gene Summary:	<p>Type-VI intermediate filament (IF) which plays an important cytoskeletal role within the muscle cell cytoskeleton. It forms heteropolymeric IFs with desmin and/or vimentin, and via its interaction with cytoskeletal proteins alpha-dystrobrevin, dystrophin, talin-1, utrophin and vinculin, is able to link these heteropolymeric IFs to adherens-type junctions, such as to the costameres, neuromuscular junctions, and myotendinous junctions within striated muscle cells (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 3' coding region that results in a frameshift and early stop codon, compared to variant 1. The encoded protein (isoform L) has a shorter and distinct C-terminus, compared to isoform H.</p>