

Product datasheet for **SC122878**

MESP1 (NM_018670) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MESP1 (NM_018670) Human Untagged Clone
Tag:	Tag Free
Symbol:	MESP1
Synonyms:	bHLHc5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_018670 edited CACGAGGCTGGAAGGGGCCACTTCACACCTCGGGCTCGGCATAAAGCGGGCCCGGCCCGC CGGCCCCAGACGCGCCCGCTGCCATGGCCAGCCCCGTGCCCGCCGCTCTCCGAGT CCTGGATGCTCTCTGCGGCTGGGGCCAACTCGGCGGCCGCGCCCTCCGACAAGGACT GCGGCCGCTCCCTCGTCTCGTCCCAGACTCATGGGGCAGCACCCAGCCGACAGCCCCG TGGCGAGCCCCGCGGGCCAGGCACCCTCCGGGACCCCCGCGCCCCCTCCGTAGGTAGGC GCGGCGCGCAGCAGCCGCTGGGCAGCGGGCAGAGGCAGAGCGCCAGTGAGCGGGAGA AACTGCGCATGCGCAGCTGGCCCGGCCCTGCACGAGCTGCGCCGTTTCTACCGCCGT CCGTGGCGCCCGGGCCAGAGCCTGACCAAGATCGAGACGCTGCGCCTGGCTATCCGCT ATATCGGCCACCTGTCCGCGTGTAGGCTCAGCGAGGAGAGTCTCCAGCGCCGGTGCC GGCAGCGCGGTGACGCGGGTCCCCTCGGGGCTGCCCGTGTGCCCGACGACTGCCCGC CGCAGATGCAGACACGGACGCAGGCTGAGGGGCAGGGGCAGGGGCGCGGGCTGGGCTGG TATCCGCCGTCCGCGCCGGGGCTCCTGGGGATCCCCGCCTGCCTGCCCGGAGCCCGAG CTGCACCCGAGCCGCGGACCCGCTGCGCTGTTCCGCGAGGCGGCGTGCCCGGAAGGGC AGGCGATGGAGCCAAGCCACCCTCCCCGCTCCTCCGGGCGACGTGCTGGCTCTGTTGG AGACCTGGATGCCCTCTCGCCTCTGGAGTGGCTGCTGAGGAGCCCAAGTGACAAGGGA CAACTGACGCCGTCTCTGTGAGCACCGAGGCTTTTGGCCTCAGCACCTCGAAGTGTT CCTTGGCAGACTGCCTTTCCTGGAAGAGGGCACGGGCGATCCCCAGGGGGCATTCTGC GGGTGAGAGCCGTCCCCACCGCGGGCCCTTCTCAGCCCCCTCCATGGAGGGACCC ATAGGGCTAGACACTTTGAGGCAAGCAGGAGGCTCTGCCTAATGTGAATTTATTTATTTG TGAATAAACTGTACTGGTGTCAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018670 unedited NNGAAGTCAACATTTGTAACGACTCATATAGGCGGCACGCGAATTCGCACGAGGCTAGG AGGGGCCACTTCACACCTCGGGCTCGGCATAAAGCGGCCGCCGGCCGCCCGCCAGAC GCGCCCGCTGCCATGGCCAGCCCCTGTGCCCGCCGCTCTCCGAGTCTGGATGCTCT CTGCGGCTGGGGCCAACTCGGCGGCCGCCCTCCGACAAGGACTGCGGCCGCTCCC TCGTCTCGTCCCAGACTCATGGGGCAGCACCCCAGCCGACAGCCCGTGGCGAGCCCCG CGCGCCAGGCACCCTCCGGGACCCCGGCCCTCCGTATGTAGGCGGCGCGCGCA GCAGCCGCTGGGCAGCGGGCAGAGGCAGAGCGCCAGTGAGCGGAGAACTGCGCATGC GCACGCTGGCCCGCCCTGCACGAGCTGCGCCGTTTCTACCGCGTCCGTGGCGCCCG CGGGCCAGAGCCTGACCAAGATCGAGACGCTGCGCCTGGCTATCCGCTATATCGGCCACC TGTGCGCCGTGCTAGGCCTCAGCGAGGAGAGTCTCCAGCGCCGGTCCCGGAGCGCGGTG ACGCGGGTCCCCTCGGGCTGCCCGTGTGCCCGACGACTGCCCGCGCAGATGCAGA CACGGACGAGGCTGAGGGCAGGTGCAGGGCGCGGGCTGGGCCTGGTATCCGCCGTCC GCGCCGGGGCTCCTGGGATCCCCGCTGCTGCCCGGAGCCCGAGCTGCACCCGAGC CGCGCAGCCCGCTGCGCTGTTCCCGAGCGGGCTGCCCGAATGGCATGCGATGGAGC CAAGCCACCGTCCCCTCCTCCGGGCGACGTGCTGGCTCTGTTGGAG
Restriction Sites:	Please inquire
ACCN:	NM_018670
Insert Size:	1200 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:	<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_018670.1, NP_061140.1</u>
RefSeq Size:	1181 bp
RefSeq ORF:	807 bp
Locus ID:	55897
UniProt ID:	<u>Q9BRJ9</u>
Cytogenetics:	15q26.1

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: Transcription factor. Plays a role in the epithelialization of somitic mesoderm and in the development of cardiac mesoderm. Defines the rostrocaudal patterning of the somites by participating in distinct Notch pathways (By similarity).[UniProtKB/Swiss-Prot Function]