

Product datasheet for **SC118629**

Moesin (MSN) (NM_002444) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Moesin (MSN) (NM_002444) Human Untagged Clone
Tag:	Tag Free
Symbol:	MSN
Synonyms:	HEL70; IMD50
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



[View online »](#)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002444 edited
ATGCCAAAACGATCAGTGTGCGTGTGACCACCATGGATGCAGAGCTGGAGTTTGCCATC
CAGCCCAACACCACCGGGAAGCAGCTATTTGACCAGGTGGTGAAGAACTATTGGCTTGAGG
GAAGTTTGGTTCTTTGGTCTGCAGTACCAGGACACTAAAGGTTTCTCCACCTGGCTGAAA
CTCAATAAGAAGGTGACTGCCAGGATGTGCGGAAGGAAAGCCCCTGCTCTTTAAGTTC
CGTGCCAAGTTCTACCCTGAGGATGTGTCGAGGAATTGATTTCAGGACATCACTCAGCGC
CTGTTCTTTCTGCAAGTGAAGAGGGCATTCTCAATGATGATATTTACTGCCCGCTGAG
ACCGCTGTGCTGCTGGCCTCGTATGCTGTCCAGTCTAAGTATGGCGACTTCAATAAGGAA
GTGCATAAGTCTGGCTACCTGGCCGAGACAAGTTGCTCCCGCAGAGAGTCTGGAACAG
CACAACTCAACAAGGACCAGTGGGAGGAGCGGATCCAGGTGTGGCATGAGGAACACCGT
GGCATGCTCAGGGAGGATGCTGTCTGGAATATCTGAAGATTGCTCAAGATCTGGAGATG
TATGGTGTGAACACTTTCAGCATCAAGAACAAGAAAGGCTCAGAGCTGTGGCTGGGGTG
GATGCCCTGGGTCTCAACATCTATGAGCAGAATGACAGACTAACTCCCAAGATAGGCTTC
CCCTGGAGTGAATCAGGAACATCTCTTCAATGATAAGAAATTTGTCATCAAGCCCATT
GACAAAAAGCCCGGACTTCGTCTTCTATGCTCCCCGGTGCAGGATTAACAAGCGGATC
TTGGCCTTGTGCATGGGGAACCATGAACTATACATGCGCCGTCCGAAGCCTGATACCATT
GAGGTGCAGCAGATGAAGGCACAGGCCCGGAGGAGAAGCACCAGAAGCAGATGGAGCGT
GCTATGCTGGAAGATGAGAAGAAGAAGCGTGAAATGGCAGAGAAGGAGAAAGAGAAGATT
GAACGGGAGAAGGAGGAGCTGATGGAGAGGCTGAAGCAGATCGAGGAACAGACTAAGAAG
GCTCAGCAAGAACTGGAAGAACAGACCCGTAGGGCTCTGGAACCTGAGCAGGAACGGAAG
CGTGCCAGAGCGAGGCTGAAAAGCTGGCCAAGGAGCGTCAAGAAGCTGAAGAGGCCAAG
GAGGCCCTGCTGCAGGCCCTCCCGGACCAGAAAAAGACTCAGGAACAGCTGGCCTTGAA
ATGGCAGAGCTGACAGCTCGAATCTCCAGCTGGAGATGGCCCGACAGAAGAAGGAGAT
GAGGCTGTGGAGTGGCAGCAGAAGGCCAGATGGTACAGGAAGACTTGGAGAAGACCCGT
GCTGAGCTGAAGACTGCCATGAGTACACCTCATGTGGCAGAGCCTGCTGAGAATGAGCAG
GATGAGCAGGATGAGAATGGGCAGAGGCTAGTGTGACCTACGGGCTGATGCTATGGCC
AAGGACCCGAGTGAAGGAAACGTACCACTGAGGCAGAGAAGAATGAGCGTGTGCAGAAG
CACCTGAAGGCCCTCACTTCGGAGCTGGCCAATGCCAGAGATGAGTCCAAGAAGACTGCC
AATGACATGATCCATGCTGAGAACATGCGACTGGGCCGAGACAAATACAAGACCCTGCGC
CAGATCCGGCAGGGCAACACCAAGCAGCGCATTGACGAATTTGAGTCTATGTAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_002444 unedited
NGGACGGTGCANGATTTGTATACGACTACTATAGGCGGCCGCGAAATCGGCACGAGGGG
CCGAATCCAAGCCGTGTGTACTGCGTGTGCTCAGCACTGCCCGACAGTCTAGCTAAACTTC
GCCAACTCCGCTGCCTTTGCCGCCACCATGCCAAAACGATCAGTGTGCGTGTGACCACC
ATGGATGCAGAGCTGGAGTTTGCATCCAGCCCAACACCACCGGGAAGCAGCTATTTGAC
CAGGTGGTGAAGAACTATTGGCTTGAGGGAAGTTTGGTTCTTTGGTCTGCAGTACCAGGAC
ACTAAAGTTTTCTCCACCTGGCTGAACTCAATAAGAAGGTGACTGCCAGGATGTGCGG
AAGGAAAGCCCCCTGCTCTTTAAGTTCCTGTCGAAGTTCTACCCTGAGGATGTGTCGAG
GAATTGATTCAGGACATCACTCAGCGCCTGTTCTTTCTGCAAGTGAAGAGGGCATTCTC
AATGATGATATTTACTGCCCGCCTGAGACCGCTGTGCTGCTGGCCTCGTATGCTGTCCAG
TCTAAGTATGGCGACTTCAATAAGGAAGTGCATAAGTCTGGCTACCTGGCCGAGACAAG
TTGCTCCCGCAGAGAGTCTGGAACAGCACAACTCAACAAGGACCAGTGGGAGGAGCGG
ATCCAGGTGTGGCATGAGGAACACCGTGGCATGCTCAGGGAGGATGCTGTCTGNAATAT
CTGAAGATTGCTCAAGATCTGGAGATGTATGGTGTGAACACTTTCAGCATCAAGAACAAG
AAGGCTCANAGCTGTGGCTGGGGGGTGGATGCCCTGGTCTCACATCTATGAGCAGAATG
ACAGACTAACTNCCAGATAGGCTCCNCTGNAGTGAATCANGAACATCTCTTTTCATGA
TNAGAAATTTGTCATC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002444 unedited CGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTGAAGTCTTCCTA AATTTTATTGGCACTGAAATAGAACATGGATTGAGCATAAACCCCTCCAAAAACAATTTT TAAAAACCCAAAAAGTACACAAAAACCCCTGAATACAAAATCTAACCTTTTCCCCCAG CCTCCCTAAGGGTAAGTTACTGACTTTAAGGCAGCTATTAATAGATTGCCCCACAATTCC AGGTTTCAATTTAGCCAATATAGGACATATACCAAGTGAGCTAATTCACAGCAATGCAC ACAAGACTCCTCAAGGTCAGGCACAGAGTGGGGGTGGTGGCCAGGGGAATTGAGGGAG GCTCTAAGCTAGGGCACTGCATGGTGGGACAGGATGGCCCTTGAGGACTGAACCTGG GGAGAAGACAAACCGTTATAATAAAAAACAATAACAAGTACTTTAAGAATGGATTGTTTG ACCTATAGTGACAGATGACATCACTAATACTGAAAGCTTCTTATTTAATAATTTTGGCAA AACGTAATTTTAAAAAAGAAAATGCTTTCCAGGTGTGGGGCGGAAAAGAATGAGGCCA AAAAATTCCTGCCCAAACTAATATCTTTCTATGGTGCCTTACCAGGAAAGCTTAAAC CAATTCTAAATCCACATAGGCCCTAACCTGCGGAAGAAGAACAGCCCTCGACACCA AAAAGCGCGGATGCTTCTGTGTGAAAACAGGGGCGGGGTGTTGAACGGTCTTGTCTTA ATTCGCCTGCTCTTTGGTATAACATTCAAAGGTAATTAATCTGGTTTTATAACTTGTAC AAGTTCTTATACACGGTNGTACATCATTCTATTTAGCGTACCATTACAAGTGATCTTTC TTTCTCTACGGCGCTATATCTTCTTCCGTAACATCCAACATATCCTGCN
Restriction Sites:	NotI-NotI
ACCN:	NM_002444
Insert Size:	3900 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.
RefSeq:	NM_002444.2 , NP_002435.1
RefSeq Size:	3981 bp
RefSeq ORF:	1734 bp
Locus ID:	4478
UniProt ID:	P26038 , V9HWCO
Domains:	B41, ERM
Protein Families:	Druggable Genome
Protein Pathways:	Leukocyte transendothelial migration, Regulation of actin cytoskeleton
Gene Summary:	Moesin (for membrane-organizing extension spike protein) is a member of the ERM family which includes ezrin and radixin. ERM proteins appear to function as cross-linkers between plasma membranes and actin-based cytoskeletons. Moesin is localized to filopodia and other membranous protrusions that are important for cell-cell recognition and signaling and for cell movement. [provided by RefSeq, Jul 2008]