

Product datasheet for **SC323790**

MOSPD1 (NM_019556) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOSPD1 (NM_019556) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOSPD1
Synonyms:	DJ473B4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_019556.1
 AGAGACGCTGACAAAGGAGCGGAGGAGCAGTCGCAGCTGCTTTCCGAGGAAGCCGGTGT
 GCCGAGATTGCCAAATGCTTTGGAGTTTTAACTGAATCTAAGAAAAGTCCAAATAGA
 TTTGAGACTGTAAACAGAAATGCAGCAAGGGGATTAGTCCCAATGCATCAACAAA
 AAAGACAACCAGAGTTAGTGAAGGAAATCTTCCTGTTTTCGTGTCCCCACGGAGCTCA
 TATTTTATGCAGATGATCAGTCAACACATAAGCAAGTGTGACACTGTACAATCCCTATG
 AGTTTGCCTTAAAGTTCAAAGTTTTGTGTACTACTCCAAATAAGTATGTTGTCGTTGATG
 CTGCAGGTGCAGTAAAGCCTCAGTGTGTGTGGATATTGTGATTCGTCATCGAGATGTTT
 GATCCTGTCACTATGGTGAATAGACAAATTCCTCTCCAAGTTTCCGAGCAAAGCCAAA
 GGAAGGCTTTGGGAAGAAAAGAGTTGTTGCTACTCTTCTCCATCAGCAAAAAGAACAAC
 AAAAGGAAGAAGAGGAAAAAGATTAAAGGAACATTTAACTGAAAGTTTATTTTTGAGC
 AGTCGTTTCAACCAGAAAACAGAGCTGTATCCTCAGGACCTAGTTTACTAACTGTCTTC
 TGGGAGTGGTGTGATTGCAGCCCTGATGCTGCCTACACTGGGGATGTGGAATCGCTGG
 TGCCTCTCTACCTCCACTTAAGTGTGAATCAAAAATTAGTGGCTGCTTATATCTTAGGTC
 TTATCACAAATGGCCATACTTAGAACATGAGCAAGGATTTCAATTGACTTCTGAAGTAAAT
 CTGTCTTGAAAATATGAATGTGGACTGCCTTTTATCTCTATTTCACTCCATTAACATGCA
 ACAAATATTGAATGATTTCAAATAATTGCAAATGTATAATATATATTTTAAATTATAAT
 TTAATTTGAAGGACTGCAGAACATTATTTTACAGACAGCAAGGATGCTTCTGAGTGACAC
 CTAGGAAATATTTGAAGAAATCTTTTATATCTATACCTGTTGTGAAGAACTTTAA
 AACATTTGTTATTTTCTCACCTTTTTTCTAATTCACCTTTGATTGCTAGGGGTGATGAT
 GCTTCGAAGTTACAGGACTAAAAGAGCAAACTGACCGGCTAAACTAAAATGACATTTA
 TTCCCTAGCTACAAACATCAGCGTTATTATGTTAATTATACCTTGCCCTCTATCATTATA
 AATGGTTGCCATGGTGTCTTAAAAATAAGTGTTTTACCATTAAATGTGTAGAGGGCAAC
 AAAGCATAAAGTACTAAGGGATCATGCTTATCCTAGGGTCTCACAGAAGAGAGGACATAT
 TTAATTAATCTTGTGAATTACAGAACAGGTTGTGGTCCAGACACCAAGAATCATAGGGGT
 TTTTTTTAAAAAACCTAATAGAAGTAGGGTGACCTCTCTCTTTGGTCTAAGAGTTCTAA
 AGGAAGGTAGGCATCTGTTTAATTAGTTGGTTCACCTGGCTTTACCTCTGGTTAATGCT
 TTGTGTTAATAGGAAGGAAAAATCACTTTATCTTTCTTCCAAGCCCTCCCTGCCTGAC
 TTACCCAGACTGGGATTACCAGATACCAGGTGATTTATGTGGAGATGATTTTTCACCTTT
 AAACCTAAGCCAAGTGAAGAACTCTTGATAGCTATGTCTATTTTATATCAGTCACTG
 AGACTTTTTTTTTAAGTTTTTATTATTATTAAGACAACCTTGCCAAAAAGTCCCCTAAG
 CACAACATTTTACATTTCTTTATAGCCTCTTCTGATCTCTAACACATATGCAGTTTAAAC
 TGTATTTTTCATAGTAACGTATCTTTTGTCTAAGGATTTTACCTGAAAGCACAATGTAT
 TGAGTCTCTTGAAAATCATCTTTCAGATCTTTTACAGAATGAACCTATGCACTGCTACT
 GTAGTATTCTCAAGGAATATATGTAAACACAAATGTATGCCTGAGGTTGGTTTTTGAGA
 AAACAGTCTCTGCTTCTAAAACTTCTATGTCTAGTCTCCATAGGAAATCCTCACTGTT
 TAACCATGTGAGGAGCCTAAGTCATTAAACGGATCATGTCTGTACATTGTGTAATGAATG
 AAAAGCACATAAATGTAATCTACTTTGAACCTTTGAAAAATGATGTGTGGAGGCTATTCT
 TGTTCCTCCATCTCAAGTCCTGTGTGTGCACGTGTGTGCAAGTGCACATGTGTGTGTGTA
 ATAACACATTGTAAGAACAGAAATTAATTTAAAAATAAACAGAAATGGAGACCTGAGC
 TTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_019556

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:	<u>NM_019556.1</u> , <u>NP_062456.1</u>
RefSeq Size:	2358 bp
RefSeq ORF:	642 bp
Locus ID:	56180
UniProt ID:	<u>Q9UJG1</u>
Cytogenetics:	Xq26.3
Domains:	MSP_domain
Protein Families:	Transmembrane
Gene Summary:	Plays a role in differentiation and/or proliferation of mesenchymal stem cells. Proposed to be involved in epithelial-to-mesenchymal transition (EMT). However, another study suggests that it is not required for EMT or stem cell self-renewal and acts during later stages of differentiation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).