

Product datasheet for **SC303869**

ESM1 (NM_007036) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ESM1 (NM_007036) Human Untagged Clone
Tag:	Tag Free
Symbol:	ESM1
Synonyms:	endocan
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_007036 edited
 TGGACGGCTGCTCCACCAGCAAAGACCACGACTGGAGAGCCGAGCCGGAGGCAGCTGG
 GAAACATGAAGAGCGTCTTGCTGCTGACCACGCTCCTCGTGCCTGCACACCTGGTGGCCG
 CCTGGAGCAATAATTATGCGGTGGACTGCCCTCAACACTGTGACAGCAGTGAGTGCAAAA
 GCAGCCCGCGTGAAGAGGACAGTGTCTGACGACTGTGGCTGCTGCCGAGTGTGCGCTG
 CAGGGCCGGGAGAACTTGCTACCGCACAGTCTCAGGCATGGATGGCATGAAGTGGCC
 CGGGCTGAGGTGTCAGCCTTCTAATGGGGAGGATCCTTTTGGTGAAGAGTTTGGTATCT
 GCAAAGACTGTCCCTACGGCACCTTCGGGATGGATTGCAGAGAGACCTGCAACTGCCAGT
 CAGGCATCTGTGACAGGGGACGGGAAAATGCCTGAAATTCGCCCTTCTCCAATATTCAG
 TAACCAAGTCTTCCAACAGATTTGTTTCTCTCACGGAGCATGACATGGCATCTGGAGATG
 GCAATATTGTGAGAGAAGAAGTTGTGAAAGAGAATGCTGCCGGGTCTCCCGTAATGAGGA
 AATGGTTAAATCCACGCTGATCCCGCTGTGATTTCTGAGAGAAGGCTCTATTTTCGTGA
 TTGTTCAACACACAGCCAACATTTTAGGAACTTCTAGATTATAGCATAAGGACATGTAA
 TTTTTGAAGACCAATGTGATGCATGGTGGATCCAGAAAACAAAAGTAGGATACTTACA
 ATCCATAACATCCATATGACTGAACACTTGTATGTGTTTGTAAATATTGCAATGCATGT
 AGATTTGTAAATGTGTGTGATAGTAACACTGAAGAATAAAAAATGCAATTTAGGTAAT
 CTTACATGGAGACAGGTCAACCAAAGAGGGAGCTAGGCAAAGCTGAAGACCCGAGTGAGT
 CAAATTAGTTCTTTGACTTTGATGTACATTAATGTTGGGATATGGAATGAAGACTTAAGA
 GCAGGAGAAGATGGGGAGGGGTGGGAGTGGGAAATAAAATTTAGCCCTTCTTGGTA
 GGTAGCTTCTCTAGAATTAATTGTGCTTTTTTTTTTTGGCTTTGGGAAAAGTCAAATA
 AAACAACCAGAAAACCCCTGAAGGAAGTAAGATGTTTGAAGCTTATGAAATTTGAGTAA
 CAAACAGCTTTGAACTGAGAGCAATTTCAAAGGCTGCTGATGTAGTTCCCGGTTACCT
 GTATCTGAAGACGGTTCTGGGCATAGGAAACACATACACTTCCATAAATAGCTTTAAC
 GTATGCCACCTCAGAGATAAATCTAAGAAGTATTTTACCCTACTGGTGGTTGTGTGTGA
 TGAAAGTAAATATTTATATATTTTTATAAATAAATGTGTTAGTGCAAGTCATCTTCCCTA
 CCCATATTTATCATCCTTTGAGGAAAGAAATCTAGTATTATTTGTTGAAATGGTTAGA
 ATAAAATATGACTCTATAAGGTTTTCAAACATCTGAGGCATGATAAATTTATTATCCAT
 AATTATAGTAATAATAACCTTAATAAGCATAAGAAAAACAGAGTCACTCTGGATTTCAA
 AATGTCAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_007036 unedited
 NGGTGCAGTCAAAAATTGTATACGACTCATATAGGCGGCCGCGNATTCAGATCTGGTACC
 GGTCCGGTATCCCGGATATCGTGCACCCACGCGTCCGGCTGCTTCCACCAGCAAAGA
 CCACGACTGGAGAGCCGAGCCGGAGGCAGCTGGGAAACATGAAGAGCGTCTTGCTGCTGA
 CCACGCTCCTCGTGCCTGCACACCTGGTGGCCGCTGGAGCAATAATTATGCGGTGGACT
 GCCCTCAACACTGTGACAGCAGTGAGTGCAAAAAGCAGCCCGCGTGAAGAGGACAGTGC
 TCGACGACTGTGGCTGCTGCCGAGTGTGCGCTGCAGGGCCGGGAGAACTTGTACCGCA
 CAGTCTCAGGCATGGATGGCATGAAGTGTGGCCGGGGCTGAGGTGTAGCCTTCTAATG
 GGGAGGATCCTTTTGGTGAAGAGTTTGGTATCTGCAAAGACTGTCCCTACGGCACCTTCG
 GGATGGATTGCAGAGAGACCTGCAACTGCCAGTCAGGCATCTGTGACAGGGGACGGGAA
 AATGCCTGAAATTCCTTCTTCCAATATTCAGTAACCAAGTCTTCCAACAGATTTGTTT
 CTCTCACGGAGCATGACATGGCATCTGGAGATGGCAATATTGTGAGAGAAGAAGTTGTGA
 AAGAGAATGCTGCCGGTCTCCCGTAATGAGGAAATGGTAAATCCACGCTGATCCCGG
 TGTGATTTCTGAGAGAAGGCTCTATTTTCGTGATTGTTCAACACACAGCCAACATTTAG
 GAACTTTCTAGATTATAGCATAAGGACATGTAATTTTTGAAGACCAATGTGATGCATGG
 GTGGATCCAGAGAACANAAGTAGATACTTACAATCCATAACATC

Restriction Sites: NotI-NotI

ACCN: NM_007036

Insert Size: 1600 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_007036.2 , NP_008967.1
RefSeq Size:	2019 bp
RefSeq ORF:	555 bp
Locus ID:	11082
UniProt ID:	Q9NQ30
Cytogenetics:	5q11.2
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>This gene encodes a secreted protein which is mainly expressed in the endothelial cells in human lung and kidney tissues. The expression of this gene is regulated by cytokines, suggesting that it may play a role in endothelium-dependent pathological disorders. The transcript contains multiple polyadenylation and mRNA instability signals. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>