

Product datasheet for **MC203891**

Esm1 (NM_023612) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esm1 (NM_023612) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Esm1
Synonyms:	0610042H23Rik; AV004503; ESM-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC020038
 CTTCCCTCCAGCAAAGACCACGACGGCAGGGAGCTGAGCAGGAGCCAGCTGCGAGACATGAAGAGCCTCT
 TGCTGCTGACCACACTCTGGTACCTCTGCACCTGGGCATGGCCTGGAGCGCAAATATGCGGTGGATTG
 CCCGGAACATTGTGACAAAAGTGTGAGTGCAGAAGCAGCCTGCGTTGCAAGAGGACAGTGTGGATGACTGT
 GGCTGCTGCCAGGTGTGCGCCGCGGGACCTGGAGAAAACCTGCTACCGTACAGTCTCAGGCATGGAGGGGG
 TCAAGTGTGGTCCGGGGCTGAAGTGTCACTTTTACAGCGAAGAGGATGATTTTGGTGACGAGTTTGGTAT
 TGCAAAAGACTGTCCCTATGGCACTTTCCGGATGGAATGCAAAGAGACTTGCAATTGCCAGTTGGGCATA
 TGTGACAGGGTGACCGGAAGATGTCTGGACTTTCCCTTCTTCCAGTATGCAGCAGCCAAATCTCCAGCA
 GGACCTCTGCCTCCACACAGAGCGTGACGCAGCATCCGGAGATGGCAACGCTGTGAGAGAAGAGATTGG
 AGAAGGGAACGCTGCTCGGCCCTCCGTGATGAAATGGTTAAATCCACGCTGATCCTGGCTGAGATTTGCC
 AAGAGAAGGCACCATTTTGTGACCAACATTCAGCCAACATTTTAAAGACGGTCTAGAACATAGGCTGTG
 GACATGTAATTTATGGAGATCAAGTGTGATTTCAGAAAAAGAAATGTAGGCTACATAACAACCATAAGACAC
 ATATGACTGAACCCTTTAAGTATTTGCTAAATATTTAAATTCATATAGATCTGTTAAGTGTGTGTGTGT
 GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTATACCAAGGAAGTGTGAGATGGCCTTGTGTGATGAGT
 AATCCAATCAAAGCTGAAGGACTGACCAGTGGTTTCATTGACCTGGGTGCCATTCTTATTGTGATACAG
 GTTGAAGAAGAGTTGGGAGCAGGAGACAGTGGGATCGTTGTGAAAGTAGGGGTTATAATATTTGTGTCTCT
 CCTTGTAGTAGTTTAAAAATTTTTTATTTTACTTGGAGGCGATAAAACAAGACCAGAAAAGCCTT
 GAAGGAGGTGAGATATTGGAAGCTTATGGGAGTCTGAGCAACTGCTTTGAATGGAATGCTGTTATTACA
 GCTCCTTGTATCTGATGAGAATGGGGCGGGCAGAGGAGGTGGACAGAGGAAAGAGTATATATTATATTC
 CCATCACTTCTCATCTCTGGTTTAAACTGTGGGCCTTGAGACAGATATAGAAAGTAGTTTGGCCCTCT
 GAGGGACAGAACGGGTGAAGGTGAATATTTATGTATTTTATAAACAATCTTGTAGTTTAAATATTTTC
 TCCAGCACCCATATGTCTCCCATCTTAGAAAAGTTACCCTAATGTTGCTTGTGTTTAAATGGGTTCTCAA
 ATAGTCATATATGAAAATGTGTTATTAACAATTGCACTAATAGTAATAAAATGTAGTTACTCCAGGTGT
 ATAAAATTTTGAATTTTTAAAAAATGCTATATCTTGAGTGAATTTTAAATTTAAATCAAATAAATAACT
 TTTTAGACAGTTTGAAGAAGGAAAGTAACTTTTATTAGGAAATGTGTCAGCTTTAAGGTATAGTTTATT
 TTCATTTTTTTTTAATTCTTTCTAACTTGATTGATGAATGGACCTGAGTTTTTACCAGGAGACCTTAGCA
 CAAGAAGAAGTGTGCTGCAATGCTGGGAGATATTTCAGAGTATTTTATTTGGAGTGAAGAAGTCTTA
 TTTAAGAAGTATTTCTTATTTCTTATTTTTATTCTCAAACCTTGCCAACAGAGTTGTGAATGTACTC
 GTGGGAAGATCCGTGAATGTAAGCGCAACGGGCTGTTAGGTTTTGTCTTAAAGAACGGTGTATTATTGT
 TCAATAAAAATGGCACAGCTGTTCCAAA AAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_023612
- Insert Size:** 555 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:**
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: [BC020038](#), [AAH20038](#)

RefSeq Size: 2039 bp

RefSeq ORF: 555 bp

Locus ID: 71690

UniProt ID: [Q9QYY7](#)

Cytogenetics: 13 D2.2

Gene Summary: Involved in angiogenesis; promotes angiogenic sprouting. May have potent implications in lung endothelial cell-leukocyte interactions (By similarity).[UniProtKB/Swiss-Prot Function]