

Product datasheet for **SC319537**

ECM1 (NM_004425) Human Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | ECM1 (NM_004425) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ECM1 |
| Synonyms: | URBWD |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_004425.2
 AGAAGAGCTGGTCTGAAGCTCACAAACCGTAACAGCCACCAGACAAGCTTCAGTGGCCGG
 CCCTTCACATCCAGACTTGCCTGAGAGGACCCACCTCTGAGTGTCCAGTGGTCAGTTGCC
 CCAGGATGGGGACCACAGCCAGAGCAGCCTTGGTCTTGACCTATTTGGCTGTTGCTTCTG
 CTGCTCTGAGGGAGGCTTACGGCTACAGGACAGAGGACAGTGGCCAGAGCACTTTC
 AAGAAGTTGGCTACGAGCTCCCCCTCCCCACCCTATCCCGAAGCCTCCCCATGGATC
 ACCCTGACTCCTCTCAGCATGGCCCTCCCTTTGAGGGACAGAGTCAAGTGCAGCCCCCTC
 CCTCTCAGGAGGCCACCCCTCTCCAACAGGAAAAGCTGTACCTGCCCAACTCCCTGCTG
 AAAAGGAAGTGGGTCCCCCTCTCCTCAGGAAGCTGTCCCCCTCAAAAAGAGTGCCCT
 CTCTCCAGCACCCCAATGAACAGAAGGAAGGAATGCCAGCTCCATTTGGGGACCAGAGCC
 ATCCAGAACCTGAGTCTGGAATGCAGCCAGCACTGCCAACAGGACCGTCCCAAGGGG
 GCTGGGGCCACCGGTGGATGGCTTCCCCCTGGGCGGCCTTCTCCAGACAATCTGAACC
 AAATCTGCCTTCTAACCGTCAGCATGTGGTATATGGTCCCTGGAACCTACCACAGTCCA
 GCTACTCCACCTCACTGCCAGGGTGAGACCCTCAATTTCTGGAGATTGGATATTC
 GCTGCTGCCACTGCCGACCCACAAACCGCCTAGAGTGTGCCAACTTGTGTGGGAGG
 AAGCAATGAGCCGATTCTGTGAGCCGAGTTCTCGGTCAAGACCCGACCCCACTGGTGCT
 GCACGCGGACGGGGAGGCTCGGTTCTCCTGCTTCCAGGAGGAAGCTCCCCAGCCACACT
 ACCAGCTCCGGGCTGCCCCAGCCATCAGCCTGATATTTCTCGGGTCTTGAGCTGCCTT
 TCCCTCTGGGGTGCCACATTGGACAATATCAAGAACATCTGCCACCTGAGGCGCTTCC
 GCTCTGTGCCACCACTGCCAGCTACTGACCCCTACAAGGGAGCTGCTGGCACTGA
 TCCAGCTGGAGAGGGAGTCCAGCGTCTGCCGCCAGGGGAACAATCACACCTGTACAT
 GGAAGGCTGGGAGGATACCCCTGACAAATACTGTGACCGGGAGTATGCTGTGAAGACCC
 ACCACCACTTGTGTGGCGCCACCCTCCAGCCCTACTCGGGATGAGTGTGTTGCCCGTC
 GGGCTCCTTACCCTCAACTATGACCGGGACATCTTGACCATTGACATCAGTCGAGTCAACC
 CCAACCTCATGGGCCACCTCTGTGGAAACCAAAGATTCTCACCAAGCATAAACATATTC
 CTGGGCTGATCCACAACATGACTGCCCGCTGCTGTGACCTGCCATTTCCAGAACAGGCT
 GCTGTGCAGAGGAGGAGAAATTAACCTTCATCAATGATCTGTGTGGTCCCCGACGTAACA
 TCTGGCGAGACCCTGCCCTCTGCTGTTACCTGAGTCTGGGGATGAACAGGTCAACTGCT
 TCAACATCAATTATCTGAGGAACGTGGCTCTAGTGTCTGGAGACACTGAGAACGCCAAGG
 GCCAGGGGAGCAGGGCTCAACTGGAGGAACAAATATCAGCTCCACCTCTGAGCCCAAGG
 AAGAATGAGTCACCCAGAGCCCTAGAGGGTCTAGATGGGGGAACCCACCTGCCCCAC
 CCATCTGAACACTCATTACACTAAACACCTCTTGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004425

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: [NM_004425.2](#), [NP_004416.1](#)

RefSeq Size: 1837 bp

RefSeq ORF: 1623 bp

Locus ID: 1893

UniProt ID: [Q16610](#)

Cytogenetics: 1q21.2

Protein Families: Secreted Protein, Transmembrane

Gene Summary: This gene encodes a soluble protein that is involved in endochondral bone formation, angiogenesis, and tumor biology. It also interacts with a variety of extracellular and structural proteins, contributing to the maintenance of skin integrity and homeostasis. Mutations in this gene are associated with lipoid proteinosis disorder (also known as hyalinosis cutis et mucosae or Urbach-Wiethe disease) that is characterized by generalized thickening of skin, mucosae and certain viscera. Alternatively spliced transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq, Feb 2011]
Transcript Variant: This variant (1) represents the predominant transcript, and encodes isoform 1.