

## Product datasheet for **SC111781**

### Endoplasmic reticulum metallopeptidase 1 (ERMP1) (NM\_024896) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Endoplasmic reticulum metallopeptidase 1 (ERMP1) (NM_024896) Human Untagged Clone
Tag:	Tag Free
Symbol:	Endoplasmic reticulum metallopeptidase 1
Synonyms:	bA207C16.3; FXNA; KIAA1815
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_024896, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTGGGTTCTGAGTCGGCTGCTGTGAGGCGGCACCGCTCGGAGTAGAGCGTCGAGAGGGAGCGG
CGGCCCGCCACCGCCGAGAGGGAGGCCCGAGCGCAGGAGCCTCTGGTGGATGGGTGCAGCGCGCGCGG
GAGGACGCGGAAGAGAGACCCCGGGGTAGCGGCGCGGAGCAGGGGCGGGGACCGGGCTGTCTGAG
GTGCGCGCCGCGCTGGGGCTCGCGCTCTACCTGATCGCGCTGCGGACGCTGGTGCAGCTCTCGCTGCAGC
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ACACATAAACCCTCATTGGCCCCAGGACTACAGGAAGTCCAGAAAAAGAAATCTGACCGTGCACCTT
TTGGAACAGATTAAGTATTGAAAGTGAAGCAACAGCCTTCATAAGATTTAGTAGATGTACAACGGC
CCACAGGCTCTTTAGCATTGATTTCTGGGAGGTTTTACAAGCTATTATGACAACATCACCAATGTTGT
GGTAAAGTGGAAACCAGAGATGGAGCCAGCATGCTGTCTGGTAATTGTCATTTTGACTCAGTAGCA
AACTACCAGGTGCCAGTATGATGCAGTTAGCTGCTCAGTATGCTGGAAGTCCCTCGCGTCTGTCAA
CATCTTCAGAAGCCTTGATCATGCTGTCATATTTCTCTTAATGGTGTGAGGAAAATGCTTGAAGC
CAGTCATGGTTTACTACTCAGCACCCCTGGGCTAGCTTGATTCTGTCATTACCTAACCTAGAGGACGCA
GGTGTAGGAGGAAAGAACTTGTATTCCAACAGGTCCTGAAAATCCTGGTTGGTTCAAGCTTATGTTT
CAGCAGCTAAACCCCTTTGCTTCTGTGGTGGCTCAGGAGGTTTTTCAGAGTGGAAATCATTCTTCAGA
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TACATTTATCACACCAAGTATGACACAGCGGACAGAATTTAACAGATTCATTCCAGAGAGCAGGTGACA
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GTAACACTAAGAAGGACTTCTTGTGGACTTGGCATCACTTTGATCAGCTGGTTCACTAGCCTTGTATAC
CGTTCTCATTATAGCAGTGTTCTCTCTTATTGGACAGTCTCTCATGGTATAAACCATTCTATGTC
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TTGCTCACAAAGCTCTGTGTGCATAAGGACTTCAAGCAGCATGGTGCCCAAGGAAAATTTATTGCTTTT
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CCATATCCTCGGAGAAGTGGTTCTGAAATCCACCTGATGTTGTGCTGGCATCCATTTTGGCTGGCTGT
ACAATGATTCTCTCGTCCTATTTTATTAACCTCATCTACCTTGCCAAGAGCACAAAAAAACCATGCTAA
CTTAACTTTGGTATGTGCAATTACATTCTCCTGTTTGCAGTGGAAACATTTTTCCATATAGCTCCAA
TCCTGCTAATCCGAAGCCAAAGAGAGTGTTCCTCAGCATATGACTAGAACATTCATGACTTGGAAAGGA
AATGCAGTTAAACGGGACTCTGGAATAAGGATCAATGGGTTTGATTATACTGGAATTTCTCACATAACCC
CTCACATTCCTGAGATCAATGATAGTATCCGAGCTCACTGTGAGGAGAATGCACCTCTTTGTGGTTTTCC
TTGGTATCTTCCAGTGCATTTCTGATCAGGAAAACTGGTATCTTCTGCCCAAGAAAGTTTCTCCAAGA
AATCCTCCTCATTCCGACTCATATCCAAGAACAGACACCTTGGGATTCTATAAAATGACTTTTGAAG
CAACAGGACCAAGCCATATGTCCTTCTATGTTTCGAGCCCAAAAGGGTCAACACTTCTCAGTGGTCTCT
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TCTGCATGGCAGTTCTGGATAGAAGTGCAGGTTTTCAGAAGAACATCCTGAAGGAATGGTACCCTGGCCA
TTGCTGCCACTATCTGTCTGGGAAGACAAGAGATCCCCTCAACTGGATGCTCTGAAGGAAAAGTTCC
AGATTGGACATTTCCCTGCTGGGTGTGCACCTACGATCTCTTTGATTTTAA
    
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_024896 unedited</p> <pre> ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCCACTTCTATGTCTCCGTTT GTCTGTATGGAAGTCAACTGTAGCCAAAATAACTTATACATACTCTTGCGAAAAGAT TTTATTACATGAATGCCAGTGCCAGTATCTGGGAGAAGTATTTTTGACATTTCCGCTGT TTGTCCATTGCTGTTTTCTTGTACCCTCACTACCAAGGACTTGTCTCGGCGTTTATTA GTGCTGTCTGGTAGCATTCCCATTGCTCACAAGCTCTGTGTGCATAAGGACTTCAAGC AGCATGGTGCCCAAGAAAATTTATTGCTTTTTACCTTTTGGGGATGTTTATTCCTTATC TTTATGCATTGTACCTCATCTGGGCAGTATTTGAGATGTTTACCCTATCCTCGGAGAA AGTGGTCTGAAATCCCACCTGATGTTGTGCTGGCATCCATTTTGGCTGGCTGTACAATG ATTCTCTCGTCTATTTTATTAACCTTCTACCTTGCCAAGAGCACAAAAAACCATG CTAACTTTAACTNTGGTATGTGCAATTACATTCTCCTTGTGTTGCAGTGAACATTTTT TCCATATAGTCCAATCTGCTAATCCGAACCAANAANAGTGTTCCTCAGCATATGAC TAGAACATTCCATGACTTTGGAAGGAAAATGCAGTTAACGGGACTCTGGAATATGGATC AAAGGGGGTTTTGATTACCTGGGAATTTCTACATAACCCCTCANCATTCTGAGAT CAATGATAGTATCCGAGCTACTGTGAAAGAGATGCACTTTTTTNGGGGTTTTCTTGG TNCCTCCAGTGCACTTTCTGATCAGAAAACTGGTATCCCTCCCCCAAAAGTTCTCAA GAATCCTCTCCATTNCGACTATATCAAGACAACCCCTTGGGATTTTATAATGACTTTGA GCACAGA </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_024896 unedited</p> <pre> NTTAGCTTGNACCCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTATATTA AACAGTTTATTTAGTAACATTGTAAGGCAACAATTAATCCTCAGTAAGTCAGCAACCA GTGACAAGAAATGACAAACACTCCTTCTACAGCTTCTGAGACAGCAGGCTGGCTGTG GCCCCCTGGGTGTAACATCTTAAGGAATCCTATCATGTTTATATATGCTAAACTG TAAAAACAACACTTCATGCGACAATCATTCTTAGGTCAAACACAAGAACGAACATTTT GAAATCAATTCCTCACACTTTTTCCCTGAATATGCAGTACTGTACTAACATCTAATT CTGTAGAAAAATATGCATTTGTTAGTGACTTTGTTAGAGCTTGAAAAGACCCTTTAGAA ATTATTTAAATGATCACTCTTTAAAAATTTTTTAAATCTCAGAATCTACTAATGTGACA GACAAACGGTATGCTTAACAGAGTCATAAATACTGTGTATAATTGCTTGACCATTTCTGG CATTTAAATGACCTCCCAGAATATTACACAAGCCCTGAGACTAGTGAGCATCTTACTACT GACCTTGTACAATACCAAGCTTATAAATGCTAAAGAAAACCAAAACAAAAGACAATGGT TTACACAGGGAAATAACCTNAAGGCATATGAAAACAGTCATAATTTTACTGATAAAG AGTAAAGGCATCCTTCCCATAGAGGGGGGGAATTACAGGGAACACTAATTATATCAGA TGAACCACGGNGATAGAAAATANGCCCATTTTTAAAATTCATTGAGAAAAATTACTTNT NNTCTCACACTGTNGANCTATACAAAATAAACCTGCAACCTTATGTGCTACCTGACAG AAAAAGTAGCAGGAGCAGACTCTTGAAGCACTGAGACTGATTNCTACAAAGTCAGN </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_024896
<b>Insert Size:</b>	4050 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_024896.1](#), [NP\\_079172.1](#)

**RefSeq Size:** 5355 bp

**RefSeq ORF:** 5355 bp

**Locus ID:** 79956

**UniProt ID:** [Q7Z2K6](#)

**Cytogenetics:** 9p24.1

**Protein Families:** Protease, Transmembrane

**Gene Summary:** Within the ovary, required for the organization of somatic cells and oocytes into discrete follicular structures.[UniProtKB/Swiss-Prot Function]