

## Product datasheet for **MC225179**

### Espl1 (NM\_001014976) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Espl1 (NM\_001014976) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Espl1  
**Synonyms:** AL024103; AU045071; Cerp; ESP1; PRCE; SSE  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225179 representing NM\_001014976  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGAGGAACCTCAAAGGAGTCAACTTCGCCACTCTGCTCTGCAGCAAGGAGGAGACCCAGCAGCTGCTGC  
 CTGACTTGAAGGAGTTCTGTCCAGATCCCGACTGATTTCCCCAGCAGCCGAACAGATGCCGAAAGAAG  
 ACAAAATTTGCGATACCATCCTGAGGGCTTGACCCAGCAGTTGACTGCCAAGCTCGATTGCCCTGGGCAC  
 CTGAGGAGTATTTGGACCTGGCAGAGCTGGCCTGTGATGGCTATTTGTTGTCTACTCCACAGCGCCCTC  
 CCCTCTACCTGGAACGCATTCTTTCATCCTACTTCGCAATGGTTCCTACTCAGGGAAGCCAGACACTGT  
 GCTGCGCCTTGCCAGCCTCTCCATGCCTGCTTGGTTCAGAACTCTGGAGAGGCTGCCCTCAGGACTAT  
 GAGGCCGTGACCCGGGGCAGTTCTCTCTGTTTTGGAAGGGAGCAGAGGCACTGTTGGAGCGGCGAGCTG  
 CGTTCTCAACTCGGCTGAATGCCTTGAGCTTCTGGTCTCTGGAGGATGGCAGTGTCCCTGTGAGGT  
 CCCTCACTTTGCTTCTCCAACCGCCTGTGTTAGTTGCCGCCTATCAGCTGTACGATGCTACAGGACAA  
 GGTCTAGATGAAGCTGATGCCGACTTCTGTATGAAGTCTTTCTAGGCACCTGATCAGAGTCTTAGTAG  
 GTGAGGGTGGTAGCTCTCCCGTCTCTCGCCTCAGAGGGCCCTCTGCCTCTTGAAAATCACCTGGA  
 ACACTGCGTCTGCTCTGGAACCACCACCACCAGGCTGCCAGAGCAGTGGAGAGGGCTCGTAAT  
 CACCTAGAGAAGACCAGTGTAGCTCCTAGCCTCCAGTTATGCCAGATGGGGTTGAGCTGTTGAAAGCTG  
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 GGCGCCGTGCCCCCGCTCCGGGCATTGTACGACAGCTGCCAGTTCTTCTTTTCAGGCCCTGGAGAGAGGC  
 ATCAGGAGGCACTGTGGACTTGATGCCATATTGAGTCTCTTTGCTTTTCTGGGGGATACAGCTCCCTTG  
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AACAGGCCCCAGGGCTGCAAGATGGTGACCTTATGGCTGGCAGCTCTGAAACCCTACAGTCTGGAACACAT  
GGTCGAGCCAGTCACTTTCTGGGTTTCGAGTCAAATGGATGCATCCAGGGCAGGAGACAAGGAGCTACAA  
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GCCACTGCGTTCTTGTGCTGAGTCTATCTCCATCACCTGCCGTACCAGCTGCTCACCACTTGCACC  
GACAGCTCAGCAAGGCCAGAAGCAGCAAGAATCACCTGAACTGGCAGAGCATCTGCAGAGGCTGGACCT  
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GGCTGCTTCCCCAGGCAGAGAAGGAGAGTTTCCAGGAGCGCCTGGCTCTGATCCCTAGTGGGGTGAAGT  
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AAAGGACAACCCCAATTACTGTGAAGATCCCCACTGCCAAAATAAGCTCCCTCTAAGCGCAGTGCTG  
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 TGGGCAGGCTGTCTGCGGCTGAGCTGCCGGCGGTGGCCCTGCTGTTCCGGCTGCAGCAGTGCAGCCCTT  
 GCCGTGCATGGAAACCTGGAGGGAGCTGGTATCGTGCTCAAGTACATCATGGCTGGCTGCCCTTGTTC  
 TAGGTAATCTCTGGGATGTGACTGACCGTGACATTGACCGTTACACAGAGGCTTTGCTGCAGGGCTGGCT  
 GGGAGCAGGCCAGGGGCTCCCTTTCTCTACTATGCCAGCCAAGCCCGCAGGCCCTCGACTCAAGTAC  
 CTCATTGGTGCTGCACCTGTAGCCTACGGCCTACCTATCTCTCTGCAGACACCC**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_001014976
- Insert Size:** 6357 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:** [NM\\_001014976.2](#), [NP\\_001014976.1](#)
- RefSeq Size:** 6630 bp
- RefSeq ORF:** 6357 bp
- Locus ID:** 105988
- UniProt ID:** [P60330](#)
- Cytogenetics:** 15 F2

**Gene Summary:**

Caspase-like protease, which plays a central role in the chromosome segregation by cleaving the SCC1/RAD21 subunit of the cohesin complex at the onset of anaphase. During most of the cell cycle, it is inactivated by different mechanisms (By similarity).[UniProtKB/Swiss-Prot Function]