

Product datasheet for **MC206342**

Edn1 (BC029547) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Edn1 (BC029547) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Edn1
Synonyms:	ET-1, preproET
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029547
 GCCGGGTCTTATCTCTGGCTGCACGTTGCCTGTGGGTGACTAATCACACAATAACATTGTTTAGGGCTGG
 AATAAAGTCAGAGCTGTTTACCCCACTCTATAGGGTTCAATATAAAAAGGCGGCGGAGAACTGTCCGA
 GTCAGAAGCGTTCCTGCACCGGCGCTGAGAGCCTGACCCGGTCTGCTCCGCTGTCTTGCAGCTGCCTC
 CCGGCTGCCCGCAGCGCTTTCGCCCCAGTGAAGGGCCACTTGTGAGGACCGCGCTGAGATCTAAAAA
 AAAACAAAAACAAAAACAAAAAACCAGAGCGCATCAGAGCGACCAGACACCGTCTCTTCGTTTTG
 CATTGAGTTCATTGCAACCGAGTTTTCTTTTTTCTTTTTTCCCACTCTTCTGACCCCTTTCAGAA
 TGGATTATTTCCCGTGATCTTCTCTCTGCTGTTCTGACTTTCCAAGGAGCTCCAGAAACAGCTGTCTT
 GGGAGCCGAACCTCAGCACCGGAGCTGAGAATGGAGTGCAGAGCCCCCTCCAGCACACCCCTGGAGACCC
 CGCAGGTCCAAGCGCTGTTCTGTTCTTCTTGTGACAAAGGAGTGTGTCTACTTCTGCCACCTGGACA
 TCATCTGGGTCAACACTCCCAGCGCGTACCGTATGGACTGGGAGGTTCTTCCAGGTCCAAGCGTTC
 CTTGAAAGACTTACTTCCAATAAGGCCACAGACCAGGCAGTTAGATGTCAGTGCCTCACAAAAAGAC
 AAGAAGTGTGGAATTTCTGCCAAGCAGGAAAAGAACTCAGGGCCAAAGTACCATGCAGAAAAGCTTAA
 AAGACTCCAAGAAAGGAAAACCTGTTCCAAGTTGGGAAAGAAGTGTATCTATCAGCAGCTGGTGAAGG
 AAGGAAACTACGAAGTTGGAGGCCATCAGCAATAGCATCAAGGCATCTTTTCGTGTTGCAAAGTTGAAA
 GCTGAGCTCTATAGAGACCAGAAGTTGACGCACAACCGAGCACATTGACTACAGAGCTCCCCAGTGT
 TGAAGTCATCCCTTATATAGTGCAGGCCATGGCCAGCTCTGCACTCTCCATGCTGGCTGGGATCTTA
 GCAAGACCATCTGTGTGGCTTCTACAGTTTCTGTTTCCAGACGGGCAGGACCAGCATCCTTGATCCAAAC
 TTCCAAGAAAGGCTGAGGTGTTCCCTAGCTGTCTGCGTCCGCTGGGAGCGAGTGCCTTTCTGCCTTTC
 TTGCCGTTGGGAATGACAGAGGACTTCTCAGAGAGCAGAGACACGATGCCATTCTAGAGTGGCCTCACT
 CAGAGAGCCAGGAGATCCACAGCAGGGCGGGTTTCTGTAGAAAGTCTTAGGGAGTGTTCGTGTCTGA
 CTCAGGCGCTGGCACATTTTCAGGGAGAACTCCAAGTCCATGCAAAAAATTTTTCTGAGGAATGCACAA
 ATTGAAAACATACTCGAAGGACAAACACTTGAGTTTAAAAAAGACAATTTTTAAGTTGTAAA
 ATGCAAAAACCAAGCAACTGTTACTACTGTACATTGGGATGTATTTTCATGAATATGAGTCTACCTCACC
 TTTCTGCACTGTACATACATTCTCACCTTAAATTATTGCCTCCCTGTATTCTCTCTCCGCTATCCG
 GTTCCCACTCCCTATACTGAATCCTTGCCTCACAGAAATTGAGTCAGAAGTAGCTGAAACATTGCCAT
 GCTAATCTGCTAGCTCTAATCTATGAGAAAAAGGATGACAGAATCTGGCCCTGCCCTTGACCTGGGA
 AACACAATGGTTTAGAGTTGTTGTGTACATGTTGAAAACCTGGTCTGTGCTTTTTAGCAGTAAAAATAT
 GTTCCCGTATGTATTGAACTGGCTAATGGAAGAGTTAGATTGAATCTTGATGACTTATTTTTTTATA
 GATATTTATATCAAACAATTTATCTTATATTTACCATGTTAAATATATGTCTGGGCAGGCCATATTG
 GTCTATGATTTTTTAAAAATATATTTCTGAATGAAATGAGAACATGCTTTGTTTTGCCTGTCAAGG
 TAATGATTTTAGAAAATAAATATTTTTCCCTACTGTAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** BC029547
- Insert Size:** 609 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: [BC029547](#), [AAH29547](#)

RefSeq Size: 2153 bp

RefSeq ORF: 609 bp

Locus ID: 13614

Cytogenetics: 13 20.82 cM

Gene Summary: This gene encodes a member of the endothelin family of peptides. The encoded preproprotein undergoes proteolytic processing to generate a peptide before secretion by the vascular endothelial cells. The mature peptide has various biological activities such as vasoconstriction, cell proliferation, stimulation of hormone release and modulation of central nervous activity. Mice lacking the encoded protein exhibit neonatal lethality accompanied with numerous craniofacial and cardiovascular defects due to disruption in cranial and cardiac neural crest cell patterning during early embryogenesis. [provided by RefSeq, Feb 2016]