

Product datasheet for MC203219

Edn2 (NM_007902) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Edn2 (NM_007902) Mouse Untagged Clone
Tag: Tag Free
Symbol: Edn2
Synonyms: ET-2; PPET2; V; VIC
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC037042
 CCACGCGTCCGCTGAAGGTGTTGCAGAGAAGCGCAGAGGGTGGAGCCAGCCTTCCACCTCCCTCTCCCC
 CTCACCGGGAGGCCAGGGCGGGCCAGGCACCCAGGGAGGAGCGGTGTCCTGGCTCTCTGCCAAGGTG
 CAGCAGCTAAGCAGGCGGGCTGCACCAGTAGGGCGGGCGGGCCCTGCCTGGTATTATAAGAGGCGG
 CCAGGGCACCTCAGCAATGAGCTCTCAGCTCGGCTTAGCAGGAGGACACTGGCGACCTGCTCTCCGGCT
 CCCTTGGCCAGCCAAGCACTCTGCCGCTGCTGTATGGTCTCCGCTGGTGTTCATCGCTCTGGCCCT
 GCTTTTGGCCCTGCATGAAGGGAAGGGCCAGGCAGCTGCCACCCTGGAGCAGCCGGCCTCGGCACCCAAG
 GGCCGAGGCCCCACCTGCGTTTTTCGTCGATGCTCCTGCAACTCCTGGCTTGACAAGGAATGTGTGACT
 TCTGCCACCTGGACATCATCTGGGTGAACACTGCGGGACAGACAGCTCCCTACGGCTGGGAAACCCGCC
 AAGGCGCCGGCGCGCTCCCTGCCAAAGCGTTGTGAGTGTCTACTGCGGGGACTCTGCCTGTGCTACC
 TTCTGCCATCGAAGACTGGCCTGAAGCTGTGGTGCGCCAAGCAGCCAGGCTCCTGCTGTGTGTTAA
 AGACTGGCAAGATGTGGACTGCTGAGGGAGACCTCCTCCGAAAGCTGAGGGATATCTCAGCCACCAAGCT
 CCGCTTTGCCAGGCTACAGCCAGAGGTGACAAGAAAGGCCATCCCTGCATACTCTAGATGGAGGAAGAGA
 TAACACCATGAGCTGCAGGACATTGAAAAAGAAGCTCACGTGGAGACAGGAGGAAACGGGCAGCTGCTG
 GGAGACCCCTATGCCTATCTCCTGGGCCAAGGCCCTCGGATCCCGGCTAGTCGGACCCGCTGATGGGTTT
 AGCACAAGCTCTGGCTGCTTTACAGCAGCTCTGTGCCTAACACTGCCAGAGCCACCATCAGCCCTGG
 ACAGCAGTGCAGCCTGCCAGTGTGGTTGCTAGCTACTGTACCTGCTGGAGGAGCTATGTGAGGACAAA
 TGAACATGCTGACTGTATCTTACGGAATGCTCTGTTTGTGGACTGAAATCCAGGAGCAATCCCACAGCA
 GGACACAATTACCTAAGCCACACCTGGAGACTGAACAGTCACTAATGACTGACATCATGGCTGGCCCC
 TATGGTCCCCTCTGGTTCCCTTCCCTAGAGGTCTTACAAACTGTTCTCTTGGGACACTTTTGGGAGCAC
 AGAACCTGCTGACTTCCGCTCATCTGTATATAACTTATTTGCTTCGAGAAGCTTTTGGATTCTTATTATT
 TATTTTAAATGATTTTTTTAGAGCCTCAATTGTTTACTTATGAACATGTTTGTAAATAAAGGATGAAAT
 GATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_007902



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Insert Size:	528 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:	<ol style="list-style-type: none">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:	BC037042 , AAH37042
RefSeq Size:	1525 bp
RefSeq ORF:	528 bp
Locus ID:	13615
UniProt ID:	P22389
Cytogenetics:	4 D2.1
Gene Summary:	This gene encodes a member of the endothelin family of peptides. The encoded preproprotein undergoes proteolytic processing to generate a potent vasoconstrictive peptide. This gene is abundantly expressed in the gastrointestinal tract, strongly induced in photoreceptor cells in retinal diseases and injury, and produced by microglia and macrophages in the early stages of glaucoma. Mice lacking the encoded protein exhibit severe growth retardation, hypothermia and juvenile lethality. [provided by RefSeq, Feb 2016]