

Product datasheet for **SC215384**

Endothelin 3 (EDN3) (NM_207034) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Endothelin 3 (EDN3) (NM_207034) Human 3' UTR Clone
Symbol:	Endothelin 3
Synonyms:	ET-3; ET3; HSCR4; PPET3; WS4B
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_207034
Insert Size:	1563 bp



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Insert Sequence: >SC215384 3'UTR clone of NM_207034
 The sequence shown below is from the reference sequence of NM_207034. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGCTGCCTCTTTTCAGGAAGGAGCCCTTAGGAGGACAGGCCTGCAGCATCCTGGTCTCGGGAGGCTTCT
GTCATTGCTCACACAGTTCAGATTTCCACCTCTTTATAGACAAGAAGTGAATTTGCTGGGGCAGAA
CACCCACCCAAAGAGTCCCACTTAACAATACCCCCCCCCACGGCAAGAATGCCAAATCCGAATGAC
CCCAGTTTTCTAATGAGTAAAATGATCCAGATGTGCCCCAGAGCATGACGCCTGCAGCTCCGGTTTC
ATGCAGGAAATTGGTTTTGGAGAGTTTTGGCAAGTTGGAAAGCCACTTACTGGCTTTTGACATGACTTC
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CTTATGGGATTTTGGCAGAGAAATTTTCAGCTGTGCTTGATACCCACCAAAGAATGTATCTCGAAAGA
ATGAAGGAAGAAGAAAAAGGATCCTTGATGTTTGTGACAAGAAAATGAGAAAAGTTAGTATCTGCAATA
CAGAGCTTGTTCCTGTTCAAGTACTGACCTCTGTATTCTGTATAGACACCAGGCCGATACACAGTGGA
GTTCCAGGCCTTGTTCAGGAAGCCGACTGTAAGACAGCCCCAGCTCAAGGCTATTAGGTTGAATA
TTTGCTTTTCATGAGTAAATGTGGATCTTTGGGGAATGGCTTCAAATAAGTACGAAACACAAATCTTT
GTAAATATGTAATTCCTGTTTATATAAATTGGCAACAACCTTATACCGTCTGACAGTTCAAATCTCT
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CGCTGCGCAGGGGAGGCTGCCATCTCCCAACCCAGTCACAGAGAGATAGGAAACGGCATTGAGT
GGGTGTCCAGGGCCCGTAGAGAGACATTTAAGATGGTGTATGACAGAGCATTGGCCTTGACCAAATGT
TAAATCCTCTGTGTGATTTTCATAAGTTATTACAGGTATAAAAAGTATGACCTATCATGAGGAAATGAA
AGTGGCTGATTTGCTGGTAGGATTTTGTACAGTTTAGAGAAGCGATTATTTATTGTGAACTGTTCTCC
ACTCCAACCTCTTATGTGGATCTGTTCAAAGTAGTCACTGTATATACGTATAGAGAGGTAGATAGGTA
GGTAGATTTTAAATTGCATTCTGAATACAACTCATACTCTTAGAGCTTGAATTACATTTTTAAATG
CATATGTGCTGTTTGGCACCCTGCAAGATGGTATCAGAGAGAAACCCATCAATTGCTCAAATACTCAG
AAAGTACTGTCAAAGCCTAATAAAAAACCTAAAGTTTGCTCTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_207034.3](#)

Summary:

The protein encoded by this gene is a member of the endothelin family. Endothelins are endothelium-derived vasoactive peptides involved in a variety of biological functions. The active form of this protein is a 21 amino acid peptide processed from the precursor protein. The active peptide is a ligand for endothelin receptor type B (EDNRB). The interaction of this endothelin with EDNRB is essential for development of neural crest-derived cell lineages, such as melanocytes and enteric neurons. Mutations in this gene and EDNRB have been associated with Hirschsprung disease (HSCR) and Waardenburg syndrome (WS), which are congenital disorders involving neural crest-derived cells. Altered expression of this gene is implicated in tumorigenesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]

Locus ID:

1908

MW:

59.6