

Product datasheet for **SC206601**

BMP9 (GDF2) (NM_016204) Human 3' UTR Clone

Product data:

| | |
|---------------|--|
| Product Type: | 3' UTR Clones |
| Product Name: | BMP9 (GDF2) (NM_016204) Human 3' UTR Clone |
| Vector: | pMirTarget (PS100062) |
| Symbol: | GDF2 |
| Synonyms: | BMP-9; BMP9; HHT5 |
| ACCN: | NM_016204 |
| Insert Size: | 1834 bp |



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Insert Sequence: >SC206601 3'UTR clone of NM_016204
 The sequence shown below is from the reference sequence of NM_016204. 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
ATGAGCGTGGCAGAGTGTGGGTGCAGGTAGTATCTGCCTGCGGGGCTGGGGAGGCAGGCCAAAGGGGCT
CCACATGAGAGGTCCTGCATGCCCTGGGCACAACAAGGACTGATTCAATCTGCATGCCAGCCTGGAGG
AGGAAAGGGAGCCTGCTCTCCCTCCCCACACCCCAAGCATACACCGCTGAGCTCAACTGCCAGG
GAAGGCTAAGGAAATGGGGATTTGAGCACAACAGGAAAGCCTGGGAGGGTTGTTGGGATGCAAGGAGGT
GATGAAAAGGAGACAGGGGAAAAATAATCCATAGTCAGCAGAAAAACAACAGCAGTGAGCCAGAGGAGC
ACAGGCGGGCAGGTCCTGCAGAGACTGATGGAAGTTAGAGAGGTGGAGGAGGCCAGCTCGCTCCAAAA
CCCTTGGGGAGTAGAGGGAAGGAGCAGGCCGCGTGTACACCCATCATTGTATGTTATTTCCACAACC
CAGTTGGAGGGGCATGGCTTCCAATTTAGAGACATAAAACACAGGCAGATCAAGTAGCATTGATCAATG
GCATGATTCCAACCTCAGATTTGTGGGACACCAAGCCAGGATCTTCCAAGTGCCTGTGCAGTTTA
GCAGGTCCTCTCCAGCTAAAGAGCAGTGAGACATTGGGAGCCCAGGAGTGTGGAGCCAGGCCAGGCTG
AGGCCCATCAGTCACAGGTGTGACTGGGCTGCTTGTACACACAGGGCGTGGTCTGGCCACTGTTGCCA
GTGCTCACTCAGCGGCCACATGCTTTTTAATATGACCCCTGAGGCACTGAAAAATAACCCAGGCCAAC
TGCAGGATAGAGAGAGAGGTGAGACAGCAGCCCTGTGGGCTGCATGATACACTGTGGCTGGAGTTATT
GTGACCCCTGGTGCAGTGTCCCACGGCCAGTGGTGCACACAGGGCCATTCAGTGTCCATAGACTGAA
ACCATGTGACCATTTGAGAGGGCCGGGCACACTTCCCCTGAGGGATGGGGCAGCCTGTGGCCAGCACC
TCTGCAGTTACTCTGCATAGCCAGCTCACCAGCATGCCATGCCAGGGTGCCCCAGTGACCAACCTCA
TGGGAGACGGCCCTGGATTTGAATTTGTTGGAATTAATGTGCTCTGGCTTTGGTCTTTGAAACATATC
TATTTTTATTCCTTGGTGACATGCTTAAAGTGACAAGACTCCAGCCTTCTGGGCGAGGCTCTCCAG
CCTCGGAAGAGCTGCAGTCCTTATCGGCTATCACTGGCTCTGCCTGCATTTGCCGCTCTCTTGAGTCA
CGTGCATCCCAGCACCCCGCTGGGCTCGGACTGTGGGACCAGACTCAGCCTCCCCGAACACAAGGGAA
GATAAGGCTTCCATTTGCTCTGTGTTTACCCTCTCTCTGTCTCCAGGCCACACATGGAACGGGGC
GGTATGAGGAAGAGTCTGAAAGTGGTGAAGAGTGCACCTATGGCCCTCTGACCTCCAGCCAGAGCAGGG
CCTAGGGGAGGCTTAGAGAGGCCAGGGCCTCTCCCCTGGTGAAGCTCCCATTTATTTAAGAAAAAGT
GGGGGTGGGAAAACGTTATGTTAAATGTTTACATGGAACCAATGAACAACCTTTAACACACAAATACA
ACGAAACATTCTGTTTAATTACTGGCGTTATAGAAAATATGAATTCCTGCTACATGCCGGGCAGTGTA
GTGTTACAATGCTATTCCAAGTTGGGTGTTGAGCATCTCTTTAGTCTGGTGGTGTGCTTCTGTGCC
TGCTTGAAAATTTCACTCGGAAATAAGTCAAATGTCTAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_016204.4](#)

Summary:

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates cartilage and bone development, angiogenesis and differentiation of cholinergic central nervous system neurons. Mutations in this gene are associated with hereditary hemorrhagic telangiectasia. [provided by RefSeq, Jul 2016]

Locus ID:

2658

MW:

66.1