

## Product datasheet for **SC214024**

### Endostatin (COL18A1) (NM\_130444) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Endostatin (COL18A1) (NM\_130444) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** COL18A1  
**Synonyms:** GLCC; KNO; KNO1; KS  
**ACCN:** NM\_130444  
**Insert Size:** 1352 bp  
**Insert Sequence:** >SC214024 3'UTR clone of NM\_130444

The sequence shown below is from the reference sequence of NM\_130444. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGCGATCGCC
GAGAACAGCTTCATGACTGCCTCCAAGTAGCCACCGCCTGGATGCGGATGGCCGGAGAGGACCGGGCGG
TCGGAGGAAGCCCCACCGTGGGCAGGGAGCGGCCGGCCAGCCCCGGCCCCAGGACCTGGCTGCCATA
CTTTCCTGTATAGTTCAGTTCATGTAATCCTCAAGAAATAAAAGGAAGCCAAAGAGTGTATTTTTTT
AAAAGTTTAAACAGAAGCCTGATGCTGACATTACCTGCCCAACTCTCCCCTGACCTGTGAGCCAG
CTGGGTACGGCAGGGTGCAGTATCATGCCTGTGCAACCTCTTGGCCTGATCAGACCACGGCTCGATTT
CTCCAGGATTTCTGCTTTGGGAAGCCGTGCTCGCCCCAGCAGGTGCTGACTTCTATCTCCCACCTAGCA
GCACCGTTCTGTGCACAAAACCCAGACCTGTTAGCAGACAGGCCCGTGAGGCAATGGGAGCTGAGGCC
ACACTCAGCACAAGGCCATCTGGGCTCCTCAGGGTGTGTGCTCGCCCTGCGGTAGATGGGAGGGAGGC
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TGAAGCAGGTTCCAAGCTCAGAGGCGCACTGTGACCCCCAGCTCCGGCCTGTCTCCAACACCAAGCA
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GCCGAGTCCAAGCTGGGAGATTCAGGGGACCCATGAGTTGGGGTCTGGCAGCCTCCCATCCAGGGCCCC
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AACCCATATCCTTACCCTCCTTGGGACTGAAGGGGAACCCCGGGTGCCACAGGCCCGCCTGCGGGTG
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AACCCGAGTCATTGTTCTGTGGAGGACAAGTGGACTCAGGGCAGGCCAGGCTGACCACAGCACAGC
CAACACGCACCTGCCTCAGGACTGCGACGAAACCGGTGGGGCTGTTCTGTAATTGTGTGATGTGAA
GCCAATTCAGACAGGCAATAAAAGTGACCTTTTACACTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_130444.3</a>
<b>Summary:</b>	This gene encodes the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. A long isoform of the protein has an N-terminal domain that is homologous to the extracellular part of frizzled receptors. Proteolytic processing at several endogenous cleavage sites in the C-terminal domain results in production of endostatin, a potent antiangiogenic protein that is able to inhibit angiogenesis and tumor growth. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities, so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]
<b>Locus ID:</b>	80781
<b>MW:</b>	48.3