

Product datasheet for SC211715

NODAL (NM_018055) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NODAL (NM_018055) Human 3' UTR Clone
Symbol:	NODAL
Synonyms:	HTX5
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_018055
Insert Size:	1030 bp
Insert Sequence:	>SC211715 3'UTR clone of NM_018055 The sequence shown below is from the reference sequence of NM_018055. 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
ATGATCGTGGAAGAATGTGGTGCCTCTTGATGACATCCTGGAGGGAGACTGGATTGCTGCACTCTGG
AAGGCTGGGAACTCCTGGAAGACATGATAACCATCTAATCCAGTAAGGAGAAACAGAGAGGGGCAAAG
TTGCTTGCCACCAGAAGTGAAGAGGAGGGCTGCCACTCTGTAATGAAGGGCTCAGTGGAGTCTG
GCCAAGCACAGAGGCTGCTGTCAGGAAGAGGGAGGAAGAAGCCTGTGCAGGGGGCTGGCTGGATGTTCT
CTTACTGAAAAGACAGTGGCAAGGAAAAGCACAAAGTGCATGAGTTCTTTACTGGATTTTTTAAAACC
TGTGAACCCCGAAACTGTATGTGAAAGTTGAGACATATGTGCATGTATTTGGAGGTGGGATGAAGT
CACCTATAGCTTTCATGTATTCTCCAAAGTAGTCTGTGTGTGACCTGTCCCCCTCCCAAAGATTAAGG
ATCACTGTATAGATTAAGAGAGTCCGTCATCTCATTGCCTCAGGCTGGGTTGGGGGAGCCACACGC
TTTCTGGCTGGCCAGTGGCAATCTACTGGCCTTGCCAGAGGCTCACTGGAGTGGTTCTCTGCTAATGA
GCTGTACAACAATAAAGCCATTGTCTAGTTCTCCTGGCCAGCTGGTGCCTGTGAAGGCAGAGGCAGGA
ACTCATCAAGAGGACCGCCATGTTGGGTTACAGAAGACATCCCTGCGTCAGTCTGCTTCGGCAGACA
CAGCCTGAGTTTGTAAAGTTGGTGACAATCCACCTCAGTCTCTCAATGTGTGCTATTAATGAGGCCTC
TGAGCTTCTATCCAGCAGTGGTGAAGGCCTTGCCCTGGGTGGCAAGATACTTGCTCTATGGTCACAGC
TCAGCCACTGGAAGCTGTGCGACCTCAGGTGAGCAATCACTGTCCAGTCTCCACTTGTAAGGAACG
CTGGTGAATCCTAATGCATTCATATTAATGTCTGTTGTCAGGCTCAGAAGGCCATGAGCTTT
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCCACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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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_018055.5
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 preproprotein is proteolytically processed to generate the mature protein, which regulates early embryonic development. This protein is required for maintenance of human embryonic stem cell pluripotency and may play a role in human placental development. Mutations in this gene are associated with heterotaxy, a condition characterized by random orientation of visceral organs with respect to the left-right axis. [provided by RefSeq, Aug 2016]
Locus ID:	4838
MW:	37.3