

Product datasheet for SC115092

NOMO1 (NM_014287) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOMO1 (NM_014287) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOMO1
Synonyms:	Nomo; PM5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014287, the custom clone sequence may differ by one or more nucleotides

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ATGCTGGTGGGCCAGGGCGCGGGCCGCTGGGGCCCGGGTGGTCACCGCCGCGGTGGTGTCTGCTGCTGA
GCGGCGTGGGGCCGGCGCACGGCTCGGAGGACATCGTGGTGGGCTGCGGTGGCTTCGTCAGTCGGACGT
GGAGATCAACTACTCTCTCATCGAGATAAAGCTGTACACCAAGCATGGGACTTTGAAATACCAGACAGAC
TGTGCCCTAATAATGGTTACTTTATGATCCCTTTGTATGATAAGGGGGATTTTCATTCTGAAGATTGAGC
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CCCCTGGGTCCTGCGGGAGTTTCAGTGTCTCTGAGAAACACTGGGACCGAAGCAAAGATCCAGTCCACAG
TTACACAGCCTGGCGGAAAGTTTGCATTTTTTAAAGTTCTGCCTGGAGATTATGAAATCCTCGCAACTCA
TCCAACCTGGGCGTTGAAAGAGGCAAGCACACAGTGCCTGTAACCAACTCCAATGCCAATGCGGCCAGT
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TTCTATTCCTTGCCAAGTGGGGCTACACTGTGATTCGGTTCTATCGAGGGGAGAGGATTACCTTTGATG
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GGTTCCTGAGGCAGAAACCAGAGCAGGGCTGACGTTGAAACCCAGACATTTCTCTTACTGTGACCAAC
AGGCCCATGATGGATGTGCCTTTGTACAGTTCTTGGCATCAGTTTCTGGGAAAGTCTCTGTTTGGACA
CCTGTGGTGACTTGTGGTGACTCTACAGTCCCTGAGCCGCCAGGGTGAAGCGGAGCCTCCAGCTCTC
  
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CGGCAAGGTCAACGCCATGACTTTCACCTTTGACAACGTGCTCCCTGGAAAAACAAAATAAGCATCATG
CATGAGGATTGGTGTGGAAGAACAGAGCCTGGAGGTGGAAGTGTGGAGGATGACATGTCTGCAGTTG
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TGGAAATGGGCGTGAGAAATGTGGGGATTATAACCTCTCCAAAGGAGTCAACCGATTCTGCCTGTCCAAG
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GCTGCTGGTTCTGCTGGCCGTTTACAACCATGACAAGCTATTCTTTGCTGCTGCAGTTGACAAGCCGG
CTACAGGGAGTCCGCGCTCGGCCAGGCAGCCTCTGACAATAGCGGCCAGAGATGCAAAGAGACAAG
CCAAGAAACAGAAGACAAGGCGGACTTGA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_014287 unedited
GCGGTTTCANATTTGTATACGACTCCTATAGGCGGCCGCGAATTCGCACGAGGCTGCGGC
GTGCAGTGTGAGGGGCGGGACCCGGCTGCCGGCGGTGGGTCTAGCTGGGGGAGGTGCGGC
CATGCTGGTGGGCCAGGGCGCGGGGCCGCTGGGGCCGCGGTGGTCACCGCCGCGGTGGT
GCTGCTGCTGAGCGGCGTGGGGCCGCGCACGGCTCGGAGGACATCGTGGTGGGCTGCGG
TGGCTTCGTCAAGTCGGACGTGGAGATCAACTACTCTCTCATCGAGATAAAGCTGTACAC
CAAGCATGGGACTTTGAAATACCAGACAGACTGTGCCCTAATAATGGTTACTTTATGAT
CCCTTTGTATGATAAGGGGGATTTCACTTCTGAAGATTGAGCCTCCCTAGGGTGGAGTTT
TGAGCCGACGACCGTGGAGCTCCATGTGGATGGAGTCAGTGACATCTGCACAAAGGTGG
GGACATCAACTTTGTCTTCACTGGGTTCTCTGTGAATGGCAAGGTCTCAGCAAAGGGCA
GCCCCGCGGTCTGCGGGAGTTCAGGTGTCTCTGAGAAACACTGGGACCGAAGCAAGAT
CCAGTCCACAGTTACACAGCCTGGCGGAAAGTTTGCATTTTTTAAAGTTCTGCCTGGAGA
TTATGAAATCCTCGAACTCATCAACCTGNCGGTTGAAAGAGGCAAGCACCACAGTGCG
TGTAACCAACTCCAATGCCAATGCGGCCAGTCCCCTCATAGTTGCTGGCTACAATGTGTC
TGGCTCTGTCCGAAGTGATGGNGAGCCCATGAAGGCGTGAAGNTTCTTCTCTTTCTCTT
TAGNACTANAACAGATGTCTGGGCTGCATGTCTCACAGGGCCCTGGGTTCCN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014287 unedited GACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGACAAAAATAATAATA AATTATATTTGACTCAGAAAAATAATTCTGTTTCAGCAGAGTGACAGGAGGGTCCATTCAT TGCATTGCACGAGGGGCTCTACGGAGGGGTGAGGATGGGTGCAGGATGCCACAGTGACAA GGGACATGGGGTGC GG GCGCCAGCAGCACAGGCTGAAGTTAGCTGACGCATGCTTTTGGCT TTTATCCACGGGCGGGTAGTGGCCGACCCCTGGCTGTGGCCTGTCCCAAGTGAGACTG CAACTGTCCCCTTCCTCCTCACGTCCGCCTTGTCTTCTGTTTCTTGGCTTGTCTCTTTGC ATCTTCTGGGCCGCTATTGTGAGAGGCTGCCTGGCCGAGCGCGCCGACTCCCTGTAGCCG GCTTGTCAACTGCAGCAGCAAAGGAATGAGCTTGTATGGTTGTAACCGGCCAGCAGAAC CAGCAGCGTCAATGGCAGGGCAATGTAGGATCCTTGTGCGATGTCCTGTTCAAGCAGCTT CCTCGTGGGATTAATAATCAAGGTGATGTGTTTATGGTAGCCCACTGCGGTGAAAGAAAC TTGAACGCAGATGTAGTCATACTGGGATCTGGGGAGTGTGGAGTCCAGAAGCACAAACATA GTTCTCGCCATCTCTGAGCAGTGGGGGAAATGGAAGAACAGGGACTGGCCAAGGAAAC TGTCTGGATTGGATTGTCNAGGTTTTCGCTTTTGTAAAGCTTGACCCCTACGTAGGAAAG TATTCANAGGAATGATCCACATTCCACTTAATCCAATTGATTAATCTTGCCGAAAACAT GATGTTTACATCATCGATGTCATTATCCACCTCTATACCCTATGTGGGGGAGCGCC CGTTCATGGGGCCGTTGCCTCTGCCT
Restriction Sites:	NotI-NotI
ACCN:	NM_014287
Insert Size:	4230 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:	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:	<u>NM_014287.3</u> , <u>NP_055102.3</u>
RefSeq Size:	4261 bp
RefSeq ORF:	3669 bp
Locus ID:	23420
UniProt ID:	<u>Q15155</u>
Cytogenetics:	16p13.11

Gene Summary:

This gene encodes a protein originally thought to be related to the collagenase gene family. This gene is one of three highly similar genes in a region of duplication located on the p arm of chromosome 16. These three genes encode closely related proteins that may have the same function. The protein encoded by one of these genes has been identified as part of a protein complex that participates in the Nodal signaling pathway during vertebrate development. Mutations in ABCC6, which is located nearby, rather than mutations in this gene are associated with pseudoxanthoma elasticum (PXE). [provided by RefSeq, Jul 2008]