

Product datasheet for **SC300596**

NOMO2 (NM_001004060) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOMO2 (NM_001004060) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOMO2
Synonyms:	Nomo; PM5
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001004060, the custom clone sequence may differ by one or more nucleotides

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ATGCTGGTGGGCCAGGGCGCGGGGCTGCTGGGGCCCGCGGTGGTCACCGCCGCGGTGGTG
CTGCTGCTGAGCGGCGTGGGGCCGGCGCACGGCTCGGAGGACATCGTGGTGGGCTGCGGT
GGCTTCGTCAAGTCGGACGTGGAGATCACTACTCGCTCATCGAGATAAAGCTGTACACC
AAGCATGGGACTTTGAAATACCAGACAGACTGTGCCCTAATAATGGTTACTTTATGATC
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GAGCCGACGACCGTGGAGCTCCATGTGGATGGAGTCAGTGACATCTGCACAAAGGGTGGG
GACATCAACTTTGTCTTCACTGGGTTCTCTGTGAATGGCAAGGTCCTCAGCAAAGGGCAG
CCCCTGGGTCTCGCGGAGTTCAGGTGTCTCTGAGAAACACTGGGACCGAAGCAAAGATC
CAGTCCACAGTTACACAGCCTGGCGGAAAGTTGCATTTTTTAAAGTTCTGCCTGGAGAT
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GTAACCAACTCCAATGCCAATGCGGCCAGTCCCCTCATAGTTGCTGGCTACAATGTGTCT
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TTAGTAACTAAAGAGGATGTCTGGGCTGCAATGTCTCACCAGTGCCTGGGTTCCAGCCC
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AACGCCATGACTTTCACCTTTGACAACGTGCTCCCTGGAAAAATACAAAATAAGCATCATG
CATGAGGATTGGTGTGGAAGAACAAGACCTGGAGGTGGAAGTGTGGAGGATGACGTG

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TCTGCAGTTGAGTTCAGGCAGACGGGCTACATGCTGAGATGTTCCCTGTCTCACGCCATC
 ACTCTGGAATTTTATCAGGATGGAATGGGCGTGAGAATGTGGGGATTTATAACCTCTCC
 AAAGGAGTCAACCGATTCTGCCTGTCCAAGCCTGGTGTGTACAAAGTGACCCCTCGCTCC
 TGCCACCGGTTTGTAGCAAGCGTTCTACACCTATGACACGTCTTCACCTAGTATCTTGACA
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 ATGATCGAGGTGCAGGAAGGCCAGAACCTGAAGATCACCATCACGGGTACCGAACCGCT
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 GAAGCGGTGGGCCAGAACGACTGCAGCATTTACGGAGAAGACACCGTGACAGACGAAGAG
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 GAAGGCAACGACCACATTGAGCGGGCGCTCCCCACCATAGGGTGATTGAGGTTGGGAAT
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 GAAAACCTCGACAATCCAATCCAGACAGTTTCCCTTGGCCAGTCCCTGTTCTTCCATTTT
 CCCCCACTGCTCAGAGATGGCGAGAACTATGTTGTGCTTCTGGACTCCACACTCCCCAGA
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 TACATTGCCCTGCCATTGACGCTGCTGGTCTGCTGGCCGGTTACAACCATGACAAGCTC
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 GCCTCTGACAATAGCGGCCAGAAAGATGCAAAGAGACAAGCCAAGAAACAGAAGACAAGG
 CGGACCCTTCGTTTGCAAGAAGAGTTCCAGTTGATGTGGTGTGTTGTTCCATGGCGGGGT
 ACCCTAGGGATTCTGTTTTCTTCACTTCCCTTGCATCTGAGATCCTGCTGGAACAC
 ACGGCAACCTGTATCCACTATTAG

Restriction Sites:	Please inquire
ACCN:	NM_001004060
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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: NM_001004060.1, NP_001004060.1

RefSeq Size: 3986 bp

RefSeq ORF: 3804 bp

Locus ID: 283820

UniProt ID: Q5JPE7

Cytogenetics: 16p12.3

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). Two transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1).