

Product datasheet for RC223358

NOMO2 (NM_173614) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOMO2 (NM_173614) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NOMO2
Synonyms:	Nomo; PM5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223358 representing NM_173614 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC223358 representing NM_173614
 Red=Cloning site Green=Tags(s)

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Chromatograms: https://cdn.origene.com/chromatograms/mk6289_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

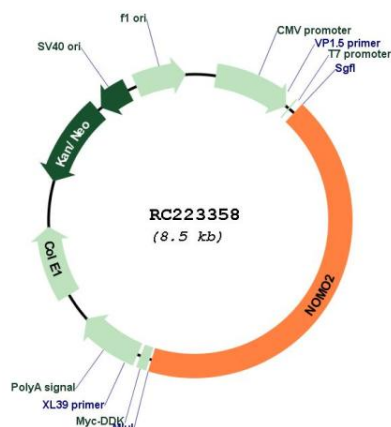


ACCN: NM_173614

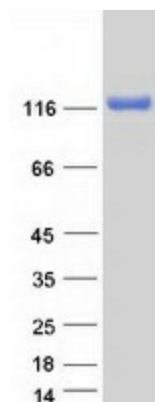
ORF Size: 3666 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_173614.2 , NP_775885.1
RefSeq Size:	4317 bp
RefSeq ORF:	3669 bp
Locus ID:	283820
UniProt ID:	Q5JPE7
Cytogenetics:	16p12.3
MW:	134 kDa
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]

Product images:



Circular map for RC223358



Coomassie blue staining of purified NOMO2 protein (Cat# [TP323358]). The protein was produced from HEK293T cells transfected with NOMO2 cDNA clone (Cat# RC223358) using MegaTran 2.0 (Cat# [TT210002]).