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Product datasheet for RC205862

MOXD1 (NM_015529) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOXD1 (NM_015529) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MOXD1
Synonyms:	dJ248E1.1; MOX; PRO5780
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC205862 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGCTGCTGGCCGCTGCTCCTGCTGTGGGGGCTGCTCCCCGGGACGGCGGCGGGGGGCTCGGGCCGAA
CCTATCCGCACCGGACCCTCCTGGACTCGGAGGGCAAGTACTGGCTGGGCTGGAGCCAGCGGGGCAGCCA
GATCGCCTTCCGCCTCCAGGTGCGCACTGCAGGCTACGTGGGCTTCGGCTTCTCGCCCACCGGGGCCATG
GCGTCCGCCGACATCGTCGTGGGCGGGGTGGCCCACGGGCGGCCCTACCTCCAGGATTATTTTACAAATG
CAAATAGAGAGTTGAAAAAAGATGCTCAGCAAGATTACCATCTAGAATATGCCATGGAAAATAGCACACA
CACAATAATTGAATTTACCAGAGAGCTGCATACATGTGACATAAATGACAAGAGTATAACGGATAGCACT
GTGAGAGTGATCTGGGCCTACCACCATGAAGATGCAGGAGAAGCTGGTCCCAAGTACCATGACTCCAATA
GGGGCACCAAGAGTTTGCGGTTATTGAATCCTGAGAAAACTAGTGTGCTATCTACAGCCTTACCATACTT
TGATCTGGTAAATCAGGACGTCCCCATCCCAAACAAAGATACAACATATTGGTGCCAAATGTTTAAGATT
CCTGTGTTCCAAGAAAAGCATCATGTAATAAAGGTTGAGCCAGTGATACAGAGAGGCCATGAGAGTCTGG
TGCACCACATCCTGCTCTATCAGTGCAGCAACAACTTTAACGACAGCGTTCTGGAGTCCGGCCACGAGTG
CTATCACCCCAACATGCCCGATGCATTCCTCACCTGTGAAACTGTGATTTTTGCCTGGGCTATTGGTGGA
GAGGGCTTTTCTTATCCACCTCATGTTGGATTATCCCTTGGCACTCCATTAGATCCGCATTATGTGCTCC
TAGAAGTCCATTATGATAATCCCACTTATGAGGAAGGCTTAATAGATAATTCTGGACTGAGGTTATTTTA
CACAATGGATATAAGGAAATATGATGCTGGGGTGATTGAGGCTGGCCTCTGGGTGAGCCTCTTCCATACC
ATCCCTCCAGGGATGCCTGAGTTCCAGTCTGAGGGTCACTGCACTTTGGAGTGCCTGGAAGAGGCTCTGG
AAGCCGAAAAGCCAAGTGGAATTCATGTGTTTGCTGTTCTTCTCCATGCTCACCTGGCTGGCAGAGGCAT
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CAGTTCATTGGGGTTAAGGAGATCTACAGACCAGTCACGACCTGGCCTTTCATTATCAAAAGTCCCAAGC
AATATAAAAACCTTTCTTTCATGGATGCTATGAATAAGTTTAAATGGACTAAAAAGGAAGGTCTCTCCTT
CAACGAGCTGGTCCTCAGCCTGCCAGTGAATGTGAGATGTTCCAAGACAGACAATGCTGAGTGGTCGATT
CAAGGAATGACAGCATTACCTCCAGATATAGAAAGACCCTATAAAGCAGAACCTTTGGTGTGTGGCACGT
CTTCTTCCTCTTCCCTGCACAGAGATTTCTCCATCAACTTGCTTGTTTGCCTTCTGCTACTCAGCTGCAC
GCTGAGCACCAAGAGCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205862 protein sequence
Red=Cloning site Green=Tags(s)

MCCWPLLLLWGLLPGTAAGGSGRTYPHRTLLDSEGKYWLGWSQRGSQIAFRLQVRTAGYVGFGFSPTGAM
ASADIVVGGVAHGRPYLQDYFTNANRELKKDAQQDYHLEYAMENSTHTIIEFTRELHTCDINDKSITDST
VRVIWAYHHEDAGEAGPKYHDSNRGTKSLRLLNPEKTSVLSTALPYFDLVNQDVPIPNKDTTYWCQMFKI
PVFQEKHHVIKVEPVIQRGHESLVHHILLYQCSNNFNDSVLESGHECYHPNMPDAFLTCETVIFAWAIGG
EGFSYPPHVGLSLGTPLDPHYVLLEVHYDNPTYEEGLIDNSGLRLFYTMDIRKYDAGVIEAGLWVSLFHT
IPPGMPEFQSEGHCTLECLEEALEAEKPSGIHVFAVLLHAHLAGRGIRLRHFRKGKEMKLLAYDDDFDFN
FQEFQYLKEEQTILPGDNLITECRYNTKDRAEMTWGGLSTRSEMCLSYLLYYPRINLTRCASIPDIMEQL
QFIGVKEIYRPVTTWPFIIKSPKQYKNLSFMDAMNKFKWTKKEGLSFNELVLSLPVNVRCSKTDNAEWSI
QGMTALPPDIERPYKAEPLVCGTSSSSSLHRDFSINLLVCLLLLSCTLSTKSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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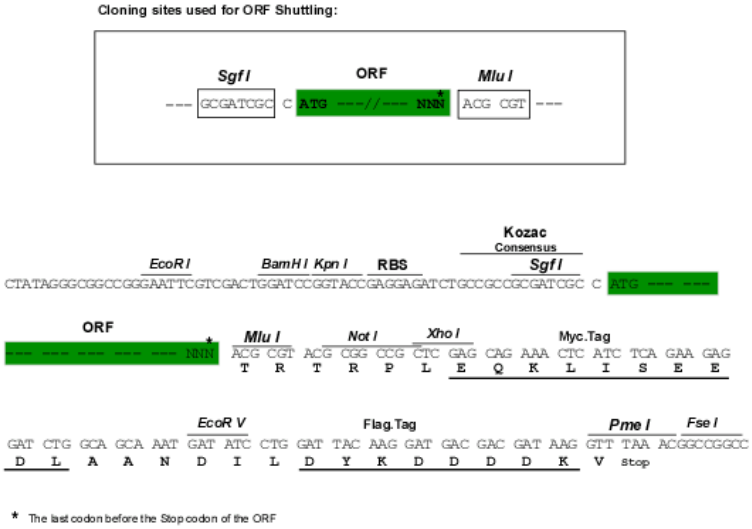
Chromatograms: https://cdn.origene.com/chromatograms/mk6673_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015529

ORF Size: 1839 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_015529.4

RefSeq Size: 3063 bp

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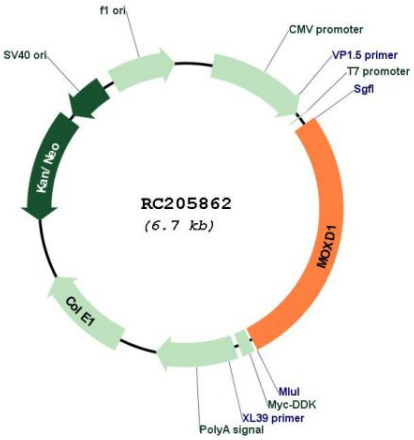
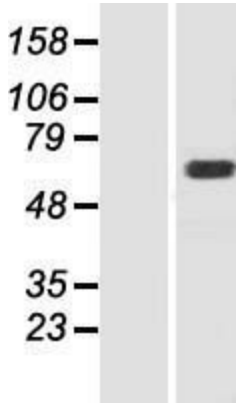
RefSeq ORF:	1842 bp
Locus ID:	26002
UniProt ID:	Q6UVY6
Cytogenetics:	6q23.2
Domains:	Cu2_monoox_C
Protein Families:	Druggable Genome
MW:	69.7 kDa

Product images:



Circular map for RC205862



Western blot validation of overexpression lysate (Cat# [LY414499]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205862 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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