

Product datasheet for **RG205862**

MOXD1 (NM_015529) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOXD1 (NM_015529) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MOXD1
Synonyms:	dj248E1.1; MOX; PRO5780
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205862 representing NM_015529
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTGCTGCTGGCCGCTGCTCCTGCTGTGGGGCTGCTCCCCGGGACGGCGCGGGGGCTCGGGCCGAA
 CCTATCCGCACCGGACCTCCTGGACTCGGAGGGCAAGTACTGGCTGGGCTGGAGCCAGCGGGGACGCCA
 GATCGCCTTCGCGCTCCAGGTGCGCACTGCAGGTACGTGGGCTTCGGCTTCTCGCCACCGGGGCCATG
 GCGTCCGCCGACATCGTCGTGGCGGGGTGGCCACGGCGGCCCTACCTCCAGGATTATTTTACAAATG
 CAAATAGAGAGTTGAAAAAGATGCTCAGCAAGATTACCATCTAGAATATGCCATGGAAAAAGCACACA
 CACAATAATTGAATTTACCAGAGAGCTGCATACATGTGACATAAATGACAAGAGTATAACGGATAGCACT
 GTGAGAGTGATCTGGGCCTACCACCATGAAGATGCAGGAGAAGCTGGTCCCAAGTACCATGACTCCAATA
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 TGCACCACATCCTGCTCTATCAGTGCAGCAACAACCTTTAACGACAGCGTTCTGGAGTCCGGCCACGAGTG
 CTATACCCCCAACATGCCCGATGCATTCTCACCTGTGAAACTGTGATTTTTGCCTGGGCTATTGGTGGA
 GAGGGCTTTTCTATCCACCTCATGTTGGATTATCCCTTGGCACTCCATTAGATCCGCATTATGTGCTCC
 TAGAAGTCCATTATGATAATCCCACTTATGAGGAAGGCTTAATAGATAATTCTGGACTGAGGTTATTTTA
 CACAATGGATATAAGGAAATATGATGCTGGGTGATTGAGGCTGGCCTCTGGGTGAGCCTTCCATACC
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 AAGCCGAAAAGCCAAGTGAATTATGTTTGTGTTCTTCTCCATGCTCACCTGGCTGGCAGAGGCAT
 CAGGCTCGCTCATTTTCGAAAAGGGAAGGAAATGAAATTAATTGCCTATGATGATGATTTTGACTTCAAT
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 GCTACAACACGAAAGATAGAGCTGAGATGACTTGGGGAGGACTAAGCACCAGGAGTGAAATGTGTCTCTC
 ATACCTTCTTTATTACCCAAGAATTAATCTTACTCGATGTGCAAGTATCCAGACATTATGGAACAACCT
 CAGTTCATTGGGGTTAAGGAGATCTACAGACAGTCACGACCTGGCCTTTCATTATCAAAAGTCCCAAGC
 AATATAAAACCTTTCTTTCATGGATGCTATGAATAAGTTTAAATGGACTAAAAAGGAAGGTCTCTCCTT
 CAACGAGCTGGTCTCAGCCTGCCAGTGAATGTGAGATGTTCAAGACAGACAATGCTGAGTGGTCGATT
 CAAGGAATGACAGCATTACCTCCAGATATAGAAAGACCCTATAAAGCAGAACCTTTGGTGTGGCACGT
 CTTCTTCCTCTTCCCTGCACAGAGATTTCTCCATCAACTTGCTTGTTCCTTCTGCTACTCAGTCGCAC
 GCTGAGCACCAAGAGCTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

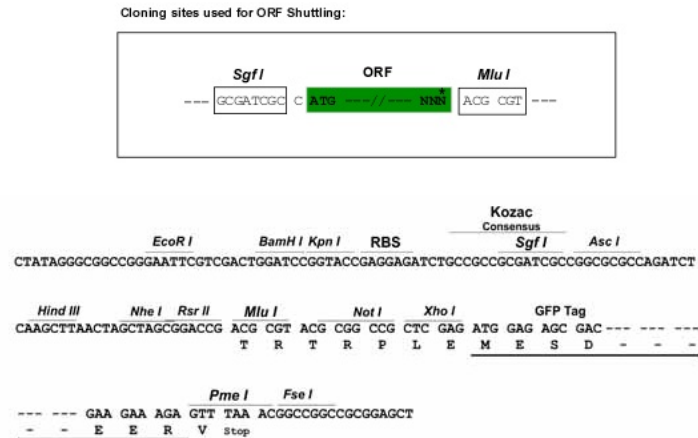
>RG205862 representing NM_015529
 Red=Cloning site Green=Tags(s)

MCCWPLLLLWGLLPGTAAGGSGRTYPHRTLLDSEKYLWGSQSGSQIAFRLQVRTAGYVGFSGPTGAM
 ASADIVVGGVAHGRPYLQDYFTNANRELKDAQQDYHLEYAMENSTHTIIEFTRELHTCDINDKSITDST
 VRVIWAYHHEDAGEAGPKYHDSNRGKSLRLNPEKTSVLSTALPYFDLVNQDVPIPNKDTTYWCMFKI
 PVFQEKHHVIKVEPVIQRGHESLVHHILLYQCSNNFNDSVLESGHECYHPNMPDAFLTCTETVIFAWAIGG
 EGFSYPPHVGLSLGTPLDPHYVLLVHYDNPTYEEGLIDNSGLRLFYTMDIRKYDAGVIEAGLWVSLFHT
 IPPGMPEFQSEGHCTLECLEEALAEKPSGIHVFVLLHAHLAGRGIRLRHFRKGKEMKLLAYDDDFDN
 FQEFQYLKEEQTILPGDNLITECRYNTKDRAEMTWGGLSTRSEMCLSYLLYYPRINLTRCASIPDIMEQL
 QFIGVKEIYRPVTTWPFIIKSPKQYKNLSFMDAMNKFKWKKEGLSFNELVLSLPVNVRCSTKTDNAEWSI
 QGMTALPPDIERPKAELVCGTSSSSSLHRDFSINLLVCLLLLSTLSTKSL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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.

RefSeq: [NM_015529.2](#), [NP_056344.2](#)

RefSeq Size: 3039 bp

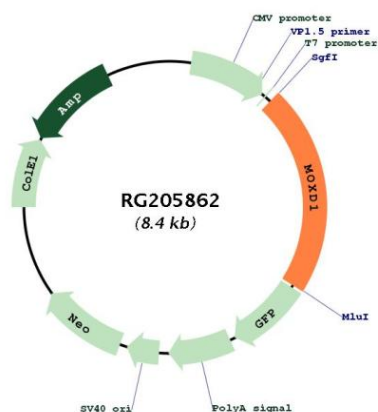
RefSeq ORF: 1842 bp

Locus ID: 26002

UniProt ID: [Q6UVY6](#)

Cytogenetics: 6q23.2
Domains: Cu2_monoox_C
Protein Families: Druggable Genome

Product images:



Circular map for RG205862