

Product datasheet for **MG214065**

1600015I10Rik (NM_001081273) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1600015I10Rik (NM_001081273) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	1600015I10Rik
Synonyms:	AI429442; Doxl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG214065 representing NM_001081273
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTTTGTTCCAGAGCCATGGGGATGGCACAAGAGCCTGACACTGGGCTGGGTAAGTGCATCTTGC
TGTTACAGATGGCCATTGCAGACCGCCAGGTGGAGCCTGAATGGCAGGCCCGGGTATTCGCAGACCT
GAGTGTATGAGATCAAGATTGTGCAGAACTTCTGATGGACAAAAAGGAGCTGCAGCTGCAGCCATCT
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ACTGCAGATCATTCGAAAAACATCACCAACTCTAAGAACCTGAGACATCAGGCCTTGGAAATACCTA
AAGCAAGCAAATTACACCAAGAGCAACAAGCAGCCTTCTACTTTGGAAGCCGCTTCCAATTACCTAA
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GTGACCGAGTACCAAGATTCTGAGAAGTGCAGCAGCAGCATCTACAGCCAAAATAATCCTTGGGATCCCC
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AGTGGGCTTCCACAACATGCCCGTTCTGAGGCTAGTACCAACATGACCACACCTGAGAACTCTGTGGGT
TTTGTGCTCCGACCCTTCAACCTCCCTGGCTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG214065 representing NM_001081273
 Red=Cloning site Green=Tags(s)

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MLCSRAMGMAQKSLTLGWVTAILLQMAIADRPRWSLNGRPRVFDL SVYEIKIVQNFLMDKKELQLQPS
ETPTLGKNSVYL IEMLLPKEDVLDFLDKGERSPVREARVVIFFGAQKHPKVTEFAVGPMP LPIYMREIS
PGPGHDP SWASRPISKA EYSLIYRTL TEATKSLHQFFLDTTDYSLKERVEDYLTFTYMAPDDTKSDQRCS
WFMLQRYMESHFLQPTGLEILLDHGSTE VQHVKVQLWYNGKLYNSPEELAQKYADGEVSILVLTESVDK
DTKQPLVFSSSNIPEDFPTTNSMARPRVSEPHVSSYNVEDNTVFYRDWIFSFRLRPSSGLQILNVHFRGV
RIAYEVS VQEA VQFGGHVSAGTQAKYMDVGVGPGSATRQLAAGIDCPDTATFLEVIHHYDTRPVSYPR
ALCLFEMPAEMPIRHHFNSNFREDFNSSAGTNGHMLVLR TISSVLHYDIWDFV FYTNGAMKAKMQATGL
VHATYYQPEEMRYISQSHTHVFSNIHTHLVHYRIDLDVAGTKNRFQTLQIIRKNI TNSKNLRHQALGNTL
KQANYTQEQQAAFYFGKPLPNYL IFSNLHTTHGMGHR SR YRLKTYSKIHQVPLPGWQKKQVSWTRYPLA
VTEYQDSEKCSSIYSQNNP WPPVVFEDFIQNN TNIEDKDLVAVATVGFHNM PRSEASTNMTTPENSVG
FVLRPFNLPGF
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081273

ORF Size: 2133 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_001081273.2](#), [NP_001074742.2](#)

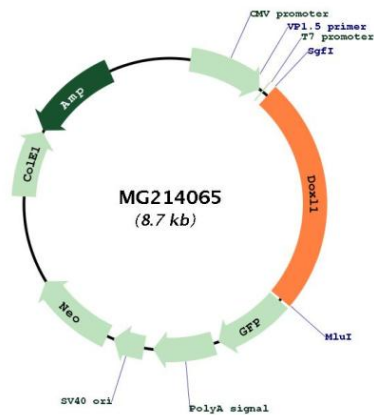
RefSeq Size: 2493 bp

RefSeq ORF: 2136 bp

Locus ID: 69761

Cytogenetics: 6 B2.3

Product images:



Circular map for MG214065