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Product datasheet for RG219650

MINDY4 (NM_032222) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MINDY4 (NM_032222) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MINDY4
Synonyms:	AQP-1; AQP1; C7orf67; CHIP28; FAM188B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG219650 representing NM_032222
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAGCCTCTTCGTGGAGGAGGTGGCCGCCTCCTTGGTCAGGGAGTTCCTCAGCAGAAAGGGCTTAA
AGAAGACATGTGTGACCATGGACCAGGAACGCCCACGCTCTGACCTCAGCATAAACAACAGAAATGATCT
TCGAAAGGTTTTGCATCTTGAATTTCTCTATAAGGAGAACAAGGCAAAGGAAAATCCTCTAAAAACAAGC
CTTGAACTCATCACCAGATACTTTCTGGATCACTTTGGAAATACGGCTAACAATTTCACTCAAGATACCC
CAATCCCTGCACTCTCAGTTCCAAAGAAAAATAACAAAGTGCCATCAAGATGCTCAGAGACTACACTGGT
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CATGACAATCTTGATGGAGATGTACTTGGTAATTTTGTATCATCTAAAAGGCCCCCGCACAAAAGTAAGC
CCATGCAGACGGTCCCGGGTGAAACTCCTGTGTTGACTTCTGCATGGGAGAAGATAGACAAGCTTCACTC
GGAGCCTTCCTTGGATGTGAAGAGGATGGGAGAGAATTCCAGGCCAAAGTCTGGTCTGATTGTGCGAGGC
ATGATGTCTGGGCCCATCGCCAGCTCCCCACAGGATTCTTTTCACAGACACTATCTGAGACGGTCCTCAC
CGTCAAGCAGCTCCACCCAACCCCAAGAAGAGAGCCGGAAGGTCCCTGAGCTCTTTGTCTGCACCCAACA
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GAAAGGCAGAAAACCACTGCCAGCAGCCCTCCCCATCTGCCCAGCAAACGGCTGCCCCCATGGGACAGGG
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CCCTGCGGCTCGAGGATGTGGAGGATGAGTTGATAAGGGAAGAGGTCATCCTGTCGCCAGTCCCATCAGT
GCTCAAGTTGCAGACAGCATCAAAACCAATTGACCTCTCAGTAGCAAAGGAAATAAAGACCCTTCTGTTT
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ACATGTGCCAGGTTGGCTGCTTCCTGAAGACCCCGAGGTTCCCCATCTGGGTGGTTTGCAGTGAGAGCCA
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TACTACTACGATGGCCTGGCCAACCAGCAGGAGCAGATCCGGCTGACCATTGACACCACCCAAACCATCT
CTGAGGACACAGACAACGACCTTGTCCCACCCCTCGAGCTCTGCATCAGAACCAAGTGGAAGGGGGCATC
AGTGAACTGGAACGGCTCAGACCCCATCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG219650 representing NM_032222
Red=Cloning site Green=Tags(s)

MDSLFVEEVAASLVREFLSRKGLKKTCVTMDQERPRSDLSINNRNDLRKVLHLEFLYKENKAKENPLKTS
LELITRYFLDHFGNTANNFTQDTPIPALSVPKKNNKVPSRCSETTLVNIYDLSDEDAGWRTSLSETSKAR
HDNLDGDVLGNFVSSKRPPHKSKPMQTVPGETPVLTSAWEKIDKLHSEPSLDVKRMGENSRPKSGLIVRG
MMSGPIASSPQDSFHRHYLRRSSPSSSSTQPQEESRKVPELFVCTQQDILASSNSSPSRTSLGQLSELTV
ERQKTTASSPPHLPSKRLPPWDRARPRDPSEDTPAVDGSTDTDRMPLKLYLPGGNSRMTQERLERAFKRQ
GSQPAPVRKNQLLPSDKVDGELGALRLEDVEDELIREEVILSPVPSVLKLQTASKPIDLSVAKEIKTLLF
GSSFCCFNEEWKLQSFSFSNTASLKYGIVQNKGGPCGVLAAVQGCVLQKLLFEGDSKADCAQGLQPSDAH
RTRCLVLALADIVWRAGGRERAVVALASRTQQFSPTGKYKADGVLETLTLHSLTCYEDLVTFLQQSIHQF
EVGPYGCILLTLSAILSRSTELIRQDFDVPTSHLIGAHGYCTQELVNLLLTGKAVSNVFNDVVELDSGDG
NITLLRGIAARSDIGFLSLFEHYNMCQVGCFLKTPRFPIWVVCSESHFSILFSLQPGLLRDWRTERLFDL
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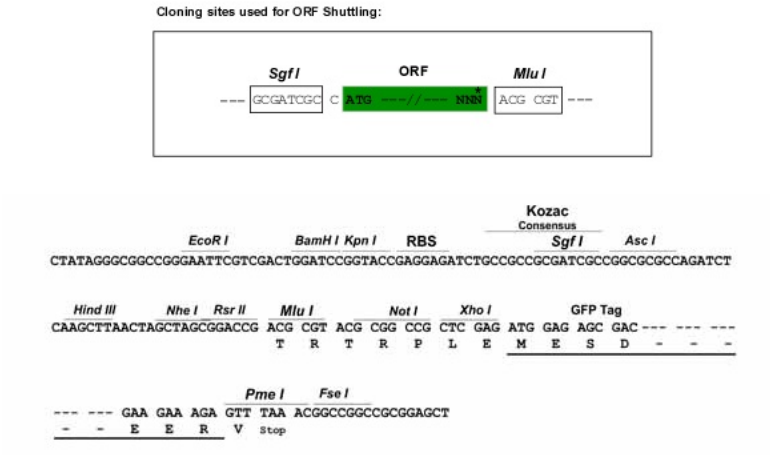
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032222

ORF Size: 2271 bp

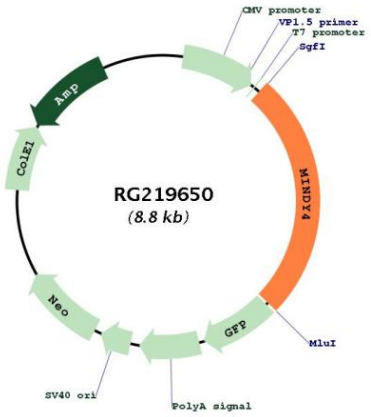
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_032222.3
RefSeq Size:	2750 bp
RefSeq ORF:	2274 bp
Locus ID:	84182
UniProt ID:	Q4G0A6
Cytogenetics:	7p14.3
Gene Summary:	Probable hydrolase that can remove 'Lys-48'-linked conjugated ubiquitin from proteins. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG219650