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Product datasheet for MG215954

Kctd1 (NM_134112) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd1 (NM_134112) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kctd1
Synonyms:	4933402K10Rik; AI661543; AW553000
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

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>MG215954 representing NM_134112
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTCAGGACAGTCGGCCCAATATGTCAAGACCTCTGATCACTCGATCCCCTGCATCGCCACTGAACA
ACCAAGGCATTCCAACTCCAGCTCAGCTCACCAAATCCAACGCACCCGTCCACATCGACGTGGGCGGCCA
CATGTACACCAGCAGCCTGGCCACCCTCACCAAATACCCCGAATCCAGAATCGGAAGACTCTTTGATGGT
ACAGAGCCCATTGTTCTGGACAGTCTCAAACAGCACTATTTCATTGACAGAGACGGGCAGATGTTCAGAT
ATATCTTGAATTTTCTACGAACATCAAAACTCCTCATTCCTGATGATTTCAAGGACTATACTTTGTTATA
TGAAGAGGCAAAATACTTTCAACTTCAGCCAATGTTGTTGGAGATGGAGCGATGGAAACAGGACAGGGAA
ACTGGCCGCTTTTCACGGCCCTGCGAGTGCCTCGTGGTGCGTGTGGCCCCGGACCTTGGAGAAAGGATCA
CCCTCAGTGGGGACAAGTCCTTGATAGAGGAAGTATTTCCCGAGATCGGCGATGTGATGTGCAACTCGGT
CAATGCAGGCTGGAATCACGACTCAACACATGTCATCAGGTTTCCACTAAACGGCTACTGCCACCTCAAT
TCAGTTCAGGTCCTTGAGCGGTTGCAGCAAAGAGGATTTGAAATTGTGGGTTCCTGTGGAGGAGGAGTGG
ACTCGTCCCAGTTCAGTGAATATGTCCTCCGACGGGAACTGAGGCGGACACCCCGAGTACCCTCAGTCAT
CCGGATAAAACAGGAGCCACTGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

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Protein Sequence:

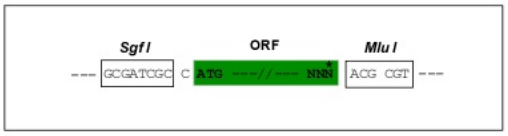
```
>MG215954 representing NM_134112
Red=Cloning site Green=Tags(s)

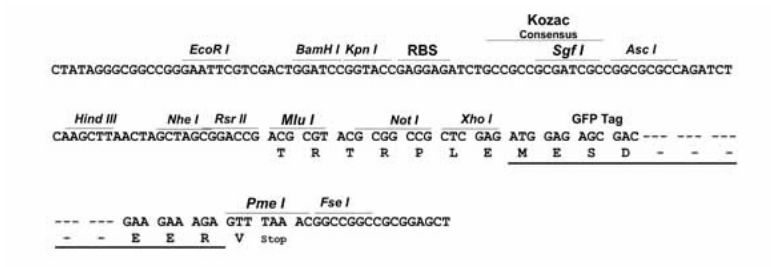
MFQDSRPNMSRPLITRSPASPLNNQGIPTPAQLTKSNAPVHIDVGGHMYTSSLATLTKYPESRIGRLFDG
TEPIVLDSLKQHYFIDRDGQMFRYILNFLRTSKLLIPDDFKDYTLLYEEAKYFQLQPMLLEMERWKQDRE
TGRFSRPCECLVVRVAPDLGERITLSGDKSLIEEVFPEIGDVMCNSVNAGWNHDSTHVIRFPLNGYCHLN
SVQVLERLQQRGFEIVGSCGGGVDSSQFSEYVLRRELRRTPRVPSVIRIKQEPLD

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

Cloning Scheme:





ACCN: NM_134112

ORF Size: 795 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).

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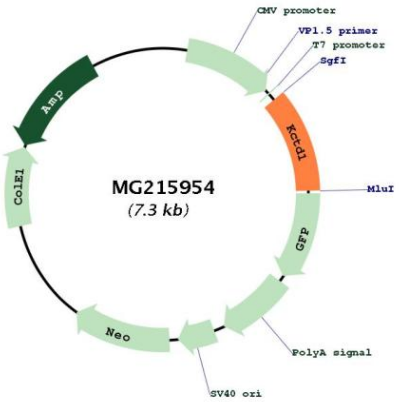
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_134112.5, NP_598873.2
RefSeq Size:	1772 bp
RefSeq ORF:	798 bp
Locus ID:	106931
UniProt ID:	Q5M956
Cytogenetics:	18 A1
Gene Summary:	May repress the transcriptional activity of AP-2 family members, including TFAP2A, TFAP2B and TFAP2C to various extent.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215954

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