

Product datasheet for **MG224335**

Kctd7 (NM_172509) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd7 (NM_172509) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kctd7
Synonyms:	4932409E18; 9430010P06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224335 representing NM_172509 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGTGGTAGTCACCGGGCGGGAGCCAGACAGCCGTCCTCGGACGGTGCCATGTCCAGCTCCGAAGCCG
AAGACGACTTCTGGAGCCGGCCACTCCTACGGCCACGCAAGCGGGGCACGGGCTGCCCTGTGCCCA
GGAGTTTCTGAAGTCGTCCCCTTGAACATTGGAGGGGCTCACTTACCACGCGCTTGTCTACTCTGCGG
CGCTATGAAGACACCATGCTGGCTGCCATGTTAGCGGGCGGCATTACATCCCTACAGACTCCGAGGGCC
GGTACTTCATCGATCGAGATGGCACACACTTTGGAGATGTGCTGAACTTCTGCGTTCAGGGGACCTGCC
CCCCAGGGAGCATGTGCGAGCTGTGCACAAGGAGGCCAGTACTATGCCATCGGGCCCTCCTGGAGCAG
CTGGAGAACATGCAGCCACTGAAGGGCGAGAAGGTGCGCCAGGCCTTCTGGGACTCATGCCCTATTACA
AAGACCACTTGGAGCGGATTGTGGAGATTGCCCGCTTCGCGCAGTACAGCGGAAGGCCCGCTTTGCCAA
GCTCAAAGTCTGTGCTTCAAGGAAGAGATGCCATCACCCCTATGAGTGTCCGCTCCTCAACTCCCTT
CGCTTTGAGCGGAGTGAGAGTGATGGACAGCTTTGAGCACCCTGTGAAGTGGACGTGCTTTTGGGC
CCTGGGAGGCCGTGGCTGATGTATACGACCTCTTGCACTGCCTGGTCACTGACCTCTCAGCCAGGGCCT
CACGGTGGACCACAGTGTATCGGGGTGTGTGACAAGCACCTTGTCAACCATTACTACTGCAAACGCCCC
ATCTATGAGTTCAAATCACGTGGTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG224335 representing NM_172509
Red=Cloning site Green=Tags(s)

MVVVTGREPDSRHS DGAMSSSE AEDDFLEPATPTATQAGHGLPLLPQEFPEVVPLNIGGAHFTTRLSTLR
 RYEDTMLAAMFSGRHYIPTDSEGRYFIDRDGTHFGDVLNFLRSGDLPREHVRAVHKEAQYYAIGPLLEQ
 LENMQPLKGEKVRQAFGLGMPYKDHLE RIVEIARLRAVQRKARF AKLKVCVFKEEMPITPYECP LLNSL
 RFERSESDGQLFEHHCEVDV SFGPWEAVADV D LLHCLVTDLSAQGLTVDHQCIGVCDKHLVNHYYCKRP
 IYEFKITWW

TRTRPLE - GFP Tag - V

Restriction Sites:

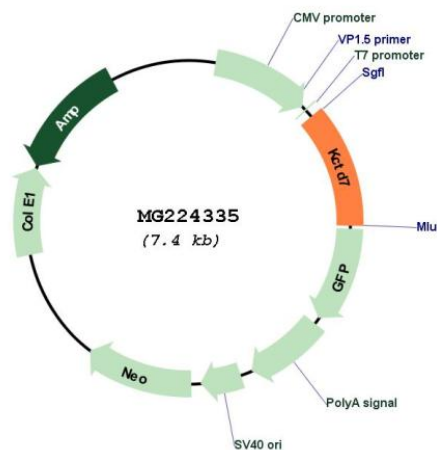
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_172509

ORF Size: 867 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:	<ol style="list-style-type: none">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_172509.4
RefSeq Size:	4266 bp
RefSeq ORF:	870 bp
Locus ID:	212919
UniProt ID:	Q8BJK1
Cytogenetics:	5 G1.3
Gene Summary:	May be involved in the control of excitability of cortical neurons.[UniProtKB/Swiss-Prot Function]