

Product datasheet for MC218309

D10Ertd610e (BC054833) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	D10Ertd610e (BC054833) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	D10Ertd610e
Synonyms:	2410008H17Rik; D10Ertd610e; GEFT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC054833 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTATGTGGTGTACTGCCAGAATAAACCCAAGTCAGAGCATGTGCTGTCAGAGTTGGGGACAGCTACT
TTGAGGAGCTGAGGCAGCAGCTGGGACACCGACTGCAGCTCAATGACCTCCTCATTAAACCAAGTGCAGCG
AATCATGAAATACCAGTTGCTGCTGAAGGATTTCTAAAGTATTACAGAAGAGCTGGGAAGGATACTGAA
GAGCTGGAGCAAGCTGTGGAGGTCATGTGTTTCGTACCTAAGCGATGCAATGATATGATGTCCCTGGGGA
GACTTCGGGGATTGAGGGAAACTGACTGCTCAGGGGAAGCTCTGGGCCAGGACACATTCTTGTTTAC
AGAGCCTGAAGCTGGGGGTCTGCTTTCTCCCGGGTTCGGGAGAGGCGTGTCTTCTGTTCGAGCAAATC
ATCATCTTCAGTGAGGCCCTGGGAGGAGGAGGCCGAGGTGGCGCGCAGCCTGGCTACGTGTACAAGAAC
GCATCAAGGTGAGCTGCCTAGGGCTGGAGGGGAATCTCCAAGGCAACCCTTGCCGGTTTGCGCTGACCTC
TAGAGGGCCAGAAGGTGGGATCCAGCGCTACGTTCTGCAGGCTTCAGACCCTGCTGTGTCAGTCAAGCCTGG
ATAAAGCAAGTGGCCAGATCCTGGAAAGCCAGCGTGACTTTCTCAACGGTGAAGCTCCCATCCTCTCCC
TTCAGAGGCTCCCAAAGCTATCTGACCTCCTGAACCCCTCCCGGCCACGCAGTCTCCAACCCTTGCTT
CTTTGAGCCTAACTTCTCTCCATCTACACCCACCCGAAACCCCTCAAAGTTCCAAGCACCTTACATTGG
CCAAATGAGGAAGAAGGTGAGGCAGGGAAGTGATCGGTCTCTTCTGTAATACATCTCTGTTCTTCCCT
TGCCCGCAGATTACAGTCACCCATTGAATACCAGAGACGTGAGAGCCAGACCAATAGCCTGGGGCGACCA
GGAGGGCCTTGGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI


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ACCN:	BC054833
Insert Size:	996 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC054833</u> , <u>AAH54833</u>
RefSeq Size:	1732 bp
RefSeq ORF:	995 bp
Locus ID:	52666
Cytogenetics:	10 74.5 cM
Gene Summary:	May play a role in actin cytoskeleton reorganization in different tissues since its activation induces formation of actin stress fibers. It works as a guanine nucleotide exchange factor for Rho family of small GTPases. Links specifically G alpha q/11-coupled receptors to RHOA activation (By similarity). May be an important regulator of processes involved in axon and dendrite formation. In neurons seems to be an exchange factor primarily for RAC1. Involved in skeletal myogenesis.[UniProtKB/Swiss-Prot Function]