

## Product datasheet for **MR204889L4V**

### **D10Ertd610e (BC054833) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	D10Ertd610e (BC054833) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	D10Ertd610e
Synonyms:	2410008H17Rik; D10Ertd610e; GEFT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC054833
ORF Size:	993 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204889).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">BC054833</a> , <a href="#">AAH54833</a>
RefSeq Size:	1732 bp
RefSeq ORF:	995 bp
Locus ID:	52666
Cytogenetics:	10 74.5 cM


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**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]