

## Product datasheet for **MR211678L4V**

### **Btbd7 (NM\_172806) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Btbd7 (NM_172806) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Btbd7
Synonyms:	5730507E09Rik; 8030448M07; E130118E17Rik; FUP1; mKIAA1525
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172806
ORF Size:	3390 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211678).
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="#">NM_172806.2</a>
RefSeq Size:	4325 bp
RefSeq ORF:	3393 bp
Locus ID:	238386
UniProt ID:	<a href="#">Q8CFE5</a>
Cytogenetics:	12 E



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**Gene Summary:**

Acts as a mediator of epithelial dynamics and organ branching by promoting cleft progression. Induced following accumulation of fibronectin in forming clefts, leading to local expression of the cell-scattering SNAIL2 and suppression of E-cadherin levels, thereby altering cell morphology and reducing cell-cell adhesion. This stimulates cell separation at the base of forming clefts by local, dynamic intercellular gap formation and promotes cleft progression. [UniProtKB/Swiss-Prot Function]