

Product datasheet for MR211678

Btbd7 (NM_172806) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btbd7 (NM_172806) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Btbd7
Synonyms:	5730507E09Rik; 8030448M07; E130118E17Rik; FUP1; mKIAA1525
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211678 representing NM_172806 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR211678 representing NM_172806
Red=Cloning site Green=Tags(s)

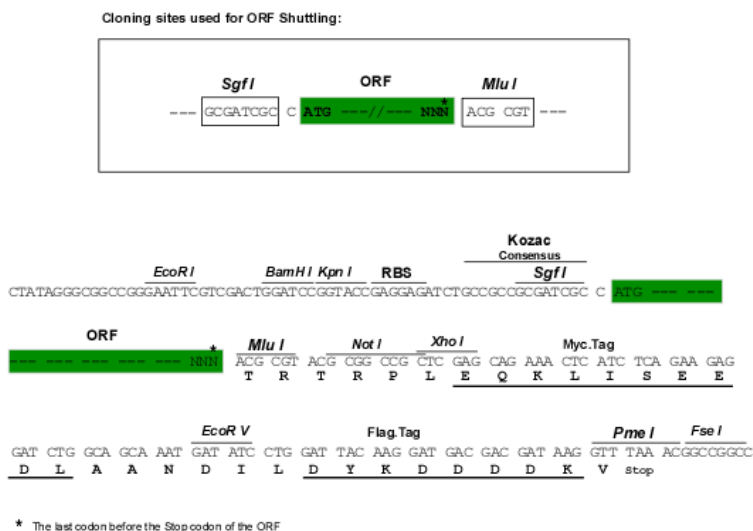
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Chromatograms: https://cdn.origene.com/chromatograms/mm9099_a11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

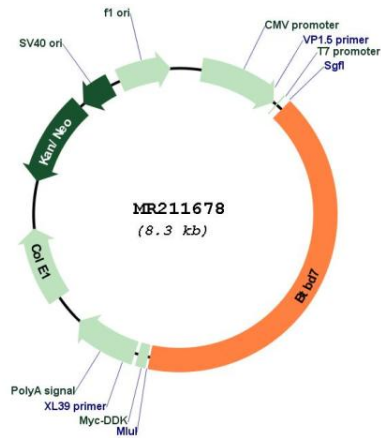


ACCN: NM_172806

ORF Size: 3390 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_172806.3
RefSeq Size:	4325 bp
RefSeq ORF:	3393 bp
Locus ID:	238386
UniProt ID:	Q8CFE5
Cytogenetics:	12 E
MW:	126.2 kDa
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]

Product images:



Circular map for MR211678