

Product datasheet for **RG239550**

BTBD7 (NM_001289133) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTBD7 (NM_001289133) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BTBD7
Synonyms:	FUP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239550 representing NM_001289133.
 Blue=ORF Red=Cloning site Green=Tag(s)

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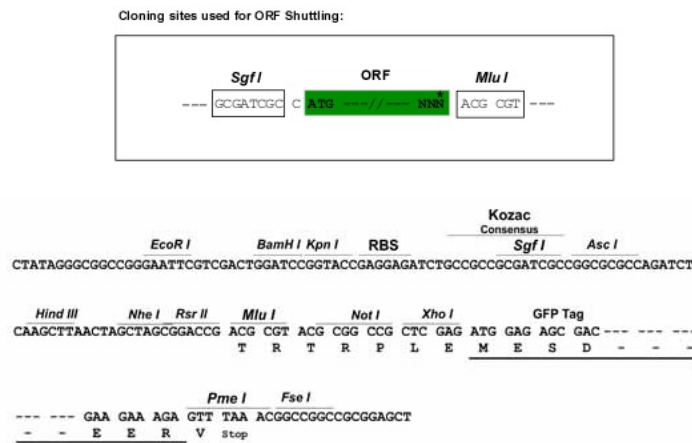
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239550
 Blue=ORF Red=Cloning site Green=Tag(s)

MAGGAGAGADGGAGGGGGGGDGGSPGSSSSGGRSLRGCEIIAESISLDTLIAILKWSSHPYGSKWVHR
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001289133

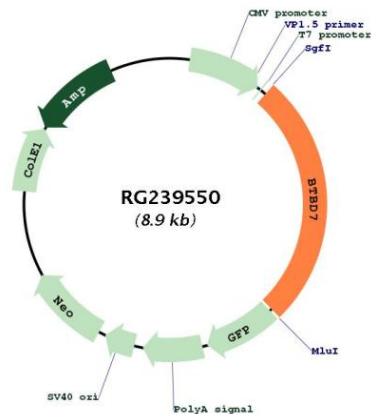
ORF Size: 2343 bp

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).
RefSeq:	NM_001289133.2
RefSeq Size:	7233 bp
RefSeq ORF:	2346 bp
Locus ID:	55727
UniProt ID:	Q9P203
Cytogenetics:	14q32.12
MW:	86 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG239550