

Product datasheet for **RG227001**

ZBED5 (NM_001143667) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZBED5
Synonyms:	Buster1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG227001 representing NM_001143667
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATTGCTCCTCTTCTTGTATCCTGTCTTATAATTTCAACACATTTGCGATACTCAATGTCTATTCTA
 AATTAACCATGTTTTGTACCACAACTCATTGCCCATGGATCTGTTGCTGAAACAAGGAAGCTTAAACA
 AGAAGTGGAATCTTTCTGTTATCAGATTGTGTCTGAATCAAATGATCAGAAGGTTGGAATATTACAAAGT
 GAAGATAAGCAGTTGCAACCTTCAGTTTCTAAAAATCAGAAGGTGAGCTTTCAGGGTCAAATTTATAT
 CCAATTTCAACAAAATAACATTTAGTAAAAACCAAAAAGAAGAAATATGATGAAAGTTATTTGTCTTT
 TGGATTTACTTACTTCGGAATAGAGATGCACCTCATGCTCAGTGTGATTATGTAAGAAAAATTTTATCA
 AATAGCTCTTTAGCCCTAGTAAGCTTCGAAGACATTTGAAAATAAACATGCTGCATATAAAGACAAAG
 ACATAAGCTTTTTCAAGCAACATCTCGATTACCTGAAAATAATAAACCCCAACACCTAAAATTGTGAA
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 CATACTATTGGAGAATTGCTTATCAAACCTTGTCAAAAGATGTAGTGATGCGGATGTTTGATGAACAAT
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 TATGCAGAAACATGAAATTGAATGGGAAAAATGTGTTGATGTTTGTAGTGATGCTTCTAGGGCAGTGGAT
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 TTTTGAACCTTCGTCGTAAGCTTTTGGTTTTCATGGATTCTGCTTTTCGACTATCTGATTGTTTAAACAA
 TTCATCTTGGCTGCTAAGACTTGCATATCTGCAGATATTTTACTAAATTAATGAAGTTAATTTGTCA
 ATGCAAGGAAAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

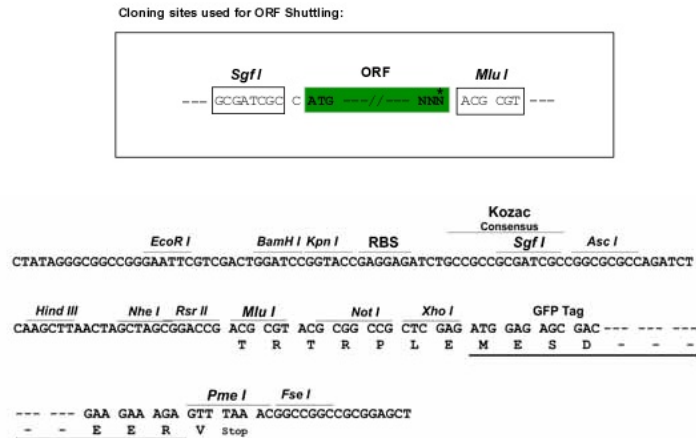
Protein Sequence: >RG227001 representing NM_001143667
 Red=Cloning site Green=Tags(s)

MIAPLLCILSYNFNTFAILNVYSKLTMFCTTNSLPMDLLKQGLKQEVESFCYQIVSESNQKVIGILQS
 EDKQLQPSVSKKSEGELSRVKFISNSNKITFSKKPKRRKYDESYLSFGFTYFGNRDAPHAQCVLCKKILS
 NSSLAPSKLRRHLETKHAAYKDKDISFFKQHLDSPENNKPPPKIVNTDNESATEASYNVSYHIALSGEA
 HTIGELLIKPCAQDVVMRMFDEQYSKKIDAVQLSNSTVARRIKDLAADIEEELVCRKICDGFSLQLDES
 ADVSGLAVLLVFVRYRFNKSIEEDLLLCESLQSNATGEEIFNCINSFMQKHEIEWEKVDVCSDASRAVD
 GKIAEAVTLIKYVAPESTSSHCLLYRHALAVKIMPTSLKNVLDQAVQIINYIKARPHQSRLKILCEEMG
 AQHTALLNTEVRWLSRGKVLVRLFELRRELLVFMDSAFRLSDCLTNSSWLLRLAYLADIFTKLNEVNLS
 MQGKM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001143667

ORF Size: 1485 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:

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: [NM_001143667.1](#), [NP_001137139.1](#)

RefSeq Size: 2724 bp

RefSeq ORF: 2082 bp

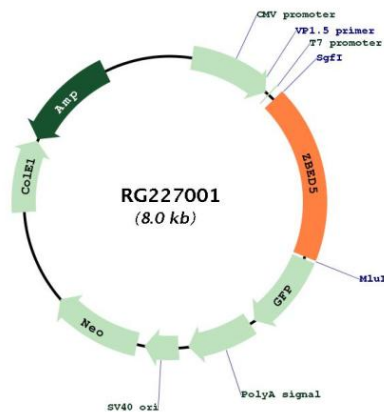
Locus ID: 58486

UniProt ID: [Q49AG3](#)

Cytogenetics: 11p15.4

Gene Summary: This gene is unusual in that its coding sequence is mostly derived from Charlie-like DNA transposon; however, it does not appear to be an active DNA transposon as it is not flanked by terminal inverted repeats. The encoded protein is conserved among the mammalian Laurasiatheria branch. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2009]

Product images:



Circular map for RG227001