

Product datasheet for **RG224423**

DEFB135 (NM_001033017) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DEFB135 (NM_001033017) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DEFB135
Synonyms: DEFB136
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224423 representing NM_001033017
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACAAGGAGCGTCTCTTGGCCCTCGTGGTCCCTAACTTACTCTTCTATGTTCCACCAGGTAGAA
GTGGACCAATGTCTACATACAAAAATCTTTGCTTCATGTTGGCGACTGCAAGGTACTTGCCGGCCAAA
ATGTCTAAAAACGAACAATATCGTATTTGTGTGATACTATACATTTGTGCTGTGTAACCCAAAATAT
TTACCTACTGACTGGGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224423 representing NM_001033017
Red=Cloning site Green=Tags(s)
MATRSVLLALVVLNLLFYVPPGRSGPNVYIQKIFASCWRLQGTCRPKCLKNEQYRILCDTIHLCCVNPKY
LPILTGK

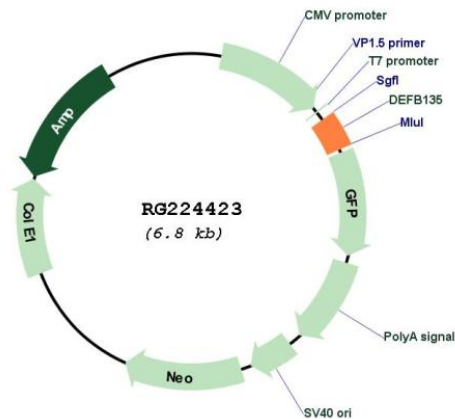
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001033017

ORF Size: 231 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:	<u>NM_001033017.2</u> , <u>NP_001028189.2</u>
RefSeq Size:	234 bp
RefSeq ORF:	234 bp
Locus ID:	613209
UniProt ID:	<u>Q30KP9</u>
Cytogenetics:	8p23.1
Protein Families:	Secreted Protein
Gene Summary:	Defensins are cysteine-rich cationic polypeptides that are important in the immunologic response to invading microorganisms. The antimicrobial protein encoded by this gene is secreted and is a member of the beta defensin protein family. Beta defensin genes are found in several clusters throughout the genome, with this gene mapping to a cluster at 8p23. [provided by RefSeq, Nov 2014]