

Product datasheet for **RG213753**

DEFB110 (NM_001037497) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DEFB110 (NM_001037497) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DEFB110
Synonyms: DEFB-10; DEFB-11; DEFB111
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG213753 representing NM_001037497
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGATTCACTTTTTTCTTTATTCTGCACTTTTGGGTCACAATTTACCAGCCAAAAAGAAATATC
CTGAGTATGGTAGCTTGGACTTGAGGAGAGAGTGCAGAAATAGGTAATGGTCAATGTAAAAATCAGTGTCA
TGAAAATGAAATTAGGATTGCTTACTGCATAAGACCTGGAACCTATTGCTGCTTGCCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213753 representing NM_001037497
Red=Cloning site Green=Tags(s)

MKIQLFFFILHFVWVILPAKKKYPEYGSLLDLRRECRIGNGQCKNQCHENEIRIAYCIRPGTHCCLQQ

TRTRPLE - GFP Tag - V

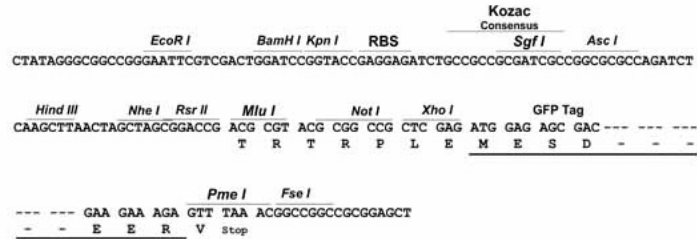
Restriction Sites: Sgfl-MluI



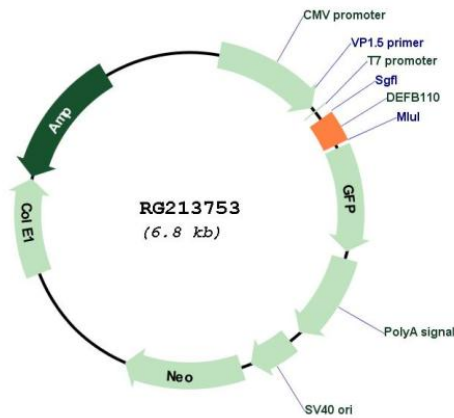
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001037497

ORF Size: 201 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_001037497.2
RefSeq Size:	400 bp
RefSeq ORF:	204 bp
Locus ID:	245913
UniProt ID:	Q30KQ9
Cytogenetics:	6p12.3
Protein Families:	Secreted Protein
Gene Summary:	Defensins form a family of antimicrobial and cytotoxic peptides made by neutrophils. Defensins are short, processed peptide molecules that are classified by structure into three groups: alpha-defensins, beta-defensins and theta-defensins. All beta-defensin genes are densely clustered in four to five syntenic chromosomal regions. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2014]