

Product datasheet for **RC223913**

DEFB123 (NM_153324) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	DEFB123
Synonyms:	DEFB-23; DEFB23; ESC42-RELD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC223913 representing NM_153324
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTCCTTTTGCTGACTTTGACTGTGCTGCTGCTCTTATCCCAGCTGACTCCAGGTGGCACCCAAA
GATGCTGGAATCTTTATGGCAAATGCCGTTACAGATGCTCCAAGAAGGAAAGAGTCTATGTTTACTGCAT
AAATAATAAATGTGCTGCGTGAAGCCCAAGTACCAGCCAAAGAAAGGTGGTGGCCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC223913 representing NM_153324
Red=Cloning site Green=Tags(s)

MKLLLLTLTVLLLLSQLTPGGTQRCWNLYGKCRYRCSKKERVYVYCINNKMCCVKPKYQPKERWWPF

TRTRPLE**QKLI**SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8101_c12.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_153324

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.

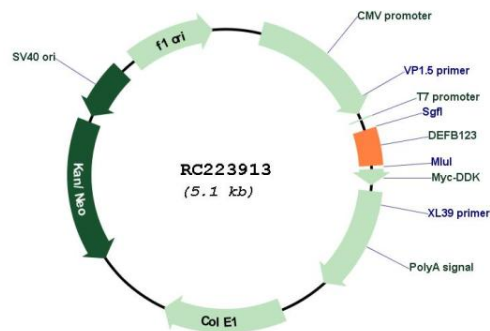
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

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_153324.4
RefSeq Size:	397 bp
RefSeq ORF:	204 bp
Locus ID:	245936
UniProt ID:	Q8N688
Cytogenetics:	20q11.21
Protein Families:	Secreted Protein
MW:	8.1 kDa
Gene Summary:	Defensins are cysteine-rich cationic polypeptides that are important in the host immunologic response to invading microorganisms. This antimicrobial protein 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 20q11.1. Two transcript variants, one protein-coding and the other not, have been found for this gene. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RC223913