

Product datasheet for **RG215786**

Eosinophil derived neurotoxin (RNASE2) (NM_002934) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Eosinophil derived neurotoxin
Synonyms: EDN; RAF3; RNS2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215786 representing NM_002934
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTTCAAAACTGTTCACTTCCCAAATTTGTCTGCTTCTTCTGTTGGGGCTTCTGGCTGTGGAGGGCT
CACTCCATGTCAAACCTCCACAGTTTACCTGGGCTCAATGGTTTGAACCCAGCACATCAATATGACCTC
CCAGCAATGCACCAATGCAATGCAGGTCTTAACAATTATCAACGGCGATGCAAAAACCAAAATACTTTC
CTTCTTACAACCTTTGCTAACGTAGTTAATGTTTGTGGTAACCAATATGACCTGTCCTAGTAACAAAA
CTCGCAAAAATTGTCAACAGTGGAGCCAGGTGCCTTTAATCCACTGTAACCTCACAACCTCAAGTCC
ACAGAAATTTTCAAACGTGAGGTATGCGCAGACACCAGCAAACATGTTCTATATAGTTGCATGTGACAAC
AGAGATCAACGACGAGACCCTCCACAGTATCCGGTGGTTCAGTTCACCTGGATAGAATCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215786 representing NM_002934
Red=Cloning site Green=Tags(s)

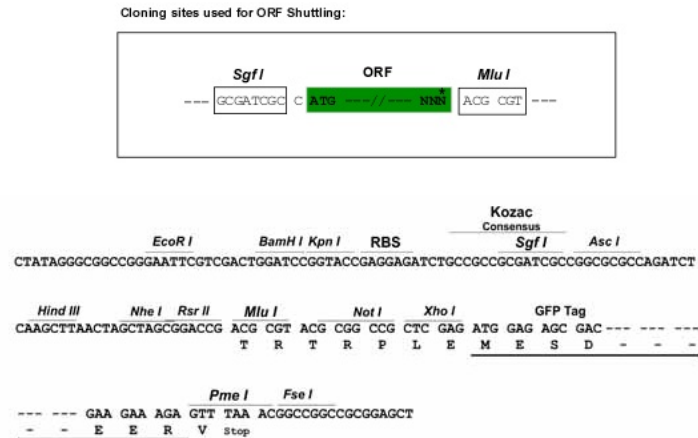
MVPKLFTSQICLLLLLGLLAVEGSLHVKPPQFTWAQWFETQHINMTSQCTNAMQVINNYQRRCKNQNTF
LLTTFANVVNVCNPNMTCPSNKRKNCHHSGSQVPLIHCNLTTPSPQNI SNCRYAQTPANMFYIVACDN
RDQRRDPPQYPVVPVHLDRII

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_002934

ORF Size: 483 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_002934.3](#)

RefSeq Size: 735 bp
RefSeq ORF: 486 bp
Locus ID: 6036

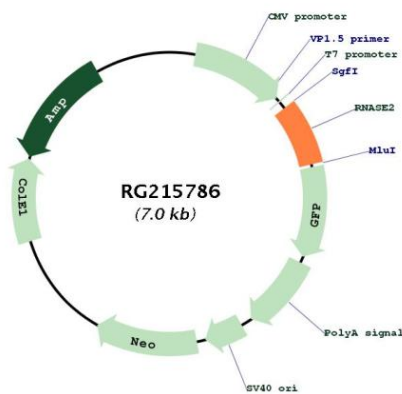
UniProt ID: [P10153](#)

Cytogenetics: 14q11.2

Domains: RNase_Pc

Gene Summary: The protein encoded by this gene is a non-secretory ribonuclease that belongs to the pancreatic ribonuclease family, a subset of the ribonuclease A superfamily. The protein antimicrobial activity against viruses. [provided by RefSeq, Oct 2014]

Product images:



Circular map for RG215786