

Product datasheet for **RC215786**

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

Product data:

Product Type: Expression Plasmids
Product Name: Eosinophil derived neurotoxin (RNASE2) (NM_002934) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eosinophil derived neurotoxin
Synonyms: EDN; RAF3; RNS2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC215786 representing NM_002934
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTCCAAAAGTTCACCTCCCAAATTTGTCTGCTTCTTCTGTTGGGGCTTCTGGCTGTGGAGGGCT
 CACTCCATGTCAAACCTCCACAGTTTACCTGGGCTCAATGGTTTAAACCCAGCACATCAATATGACCTC
 CCAGCAATGCACCAATGCAATGCAGGTCATTAACAATTATCAACGGCGATGCAAAAACAAAATACTTTC
 CTTCTTACAACCTTTTGTAACTAGTAAATGTTTGTGGTAACCCAAATATGACCTGTCCTAGTAACAAA
 CTCGAAAAATTGTCACCACAGTGAAGCCAGGTGCCTTTAATCCACTGTAACTCACAACCTCCAAGTCC
 ACAGAATATTTCAAACCTGCAGGTATGCGCAGACACCAGCAACATGTTCTATATAGTTGCATGTGACAAC
 AGAGATCAACGACGAGACCCTCCACAGTATCCGGTGGTCCAGTTCACCTGGATAGAATCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215786 representing NM_002934
 Red=Cloning site Green=Tags(s)
 MVPKLFTSQICLLLLLGLLAVEGSLHVKPPQFTWAQWFETQHINMTSQQCTNAMQVINNYQRRCKNQNTF
 LLTTFANVVNVCGNPNMTCPSNKTRKNCHHSGSQVPLIHCNLTTPSPQNI SNCRYAQTANMFYIVACDN
 RDQRRDPPQYPVVPVHLDRII

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6045_b12.zip



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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](#)

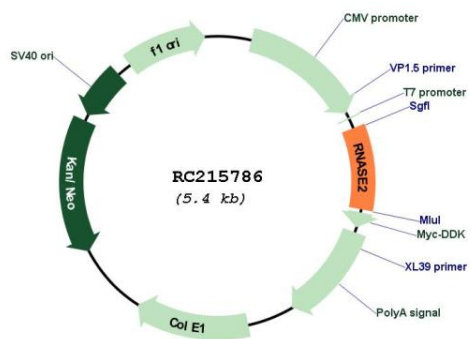
Cytogenetics: 14q11.2

Domains: RNase_Pc

MW: 18.2 kDa

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 RC215786