

Product datasheet for SC118281

Eosinophil derived neurotoxin (RNASE2) (NM_002934) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: Eosinophil derived neurotoxin

Synonyms: EDN; RAF3; RNS2

Mammalian Cell None

Selection:

Vector: pCMV6-XL4

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC118281 sequence for NM_002934 edited (data generated by NextGen Sequencing)

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ATGGTTCCAAAAGTTCCTTCCCAAATTTGTCTGCTTCTCTGTTGGGCTTCTGGCT
GTGGAGGGCTCACTCCATGTCAAACCTCCACAGTTTACCTGGGCTCAATGGTTTGAAC
CAGCACATCAATATGACCTCCAGCAATGCACCAATGCAATGCAGGTCATTAACAATTAT
CAACGGCGATGCAAAAACCAAAATACTTTCTTCTTACAACCTTTGCTAACGTAGTTAAT
GTTTGTGGTAACCCAAATATGACCTGTCCTAGTAACAAAACTCGCAAAAATTGTCACCAC
AGTGAAGCCAGGTGCCTTTAATCCACTGTAACCTCACAACCTCCAAGTCCACAGAATATT
TCAAACCTGCAGGTATGCGCAGACACCAGCAACATGTTCTATATAGTTGCATGTGACAAC
AGAGATCAACGACGAGACCCTCCACAGTATCCGGTGGTTCCAGTTACCTGGATAGAATC
ATCTAA
```

Clone variation with respect to NM_002934.2

5' Read Nucleotide

Sequence:

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>OriGene 5' read for NM_002934 unedited
CACCAGGAACAACAGCTGGATCAGTTCTCACAGGAGCTACAGCGGGAGACTGGGAAAC
ATGGTTCCAAAAGTTCCTTCCCAAATTTGTCTGCTTCTCTGTTGGGCTTCTGGCT
GTGGAGGGCTCACTCCATGTCAAACCTCCACAGTTTACCTGGGCTCAATGGTTTGAAC
CAGCACATCAATATGACCTCCAGCAATGCACCAATGCAATGCAGGTCATTAACAATTAT
CAACGGCGATGCAAAAACCAAAATACTTTCTTCTTCCAACCTTTGCTAACGTAGTTAAT
GTTTGTGGTAACCCAAATATGACCTGTCCTATTAACAAAACTCGCAAAAATTGTCACCAC
AGTGAAGCCAGGTGCCTTTAATCCACTGTAACCTCACAACCTCCAAGTCCACAGAATATT
TCAAACCTGCAGGTATGCGCAGACACCAGCAACATGTTCTATATAGTTGCATGTGACAAC
AGAGATCAACGACGAGACCCTCCACAGTATCCGGTGGTTCCAGTTACCTGGATAGAATC
ATCTAAGCTCCTGTATCAGCACTCCTCATCACTCATCTGCCAAGCTCCTCAATCATA
GCCAAGATCCCATCTCCATATACTTTGAGTATCAGCATCTGCTCATCAGTCTCCAT
ACCCCTTCAGCTTTCCTGAGCTGAAGTGC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002934 unedited <pre> GGGGGGCACCNGCCGTCCTTTTCCNNNNNGGNGTCNTTGNNACGCGGNNCCGCATT TTANGATCGAGNNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAATTGCAAAACAGT TTATTGCAGGGTTTCAAGGCACTTCAGCTCAGGAAAGCTGAAGGGTATGGAGACTGAT GAGGACAGATGCTGATACCCAAAGTATATGGAGAGATGGGATCTTGGCTATGATTGAGGA GCTTGGCAAATGAGTGATGATGAGGAGTGCTGATACAGGAGCTTAAATGATTCTATCCAG GTGAACTGGAACCAACCGATACTGTGGAGGGTCTCGTCGTTGATCTCTGTTGTCACATGC AACTATATAGAACATGTTTGCTGGTGTCTGCGCATACCTGCAGTTTGAAATATTCTGTGG ACTTGAGTTGTGAGGTTACAGTGGATTAAGGCACCTGGCTTCCACTGTGGTGACAATT TTTGCGAGTTTGTACTAGGACAGGTCATATTGGGTTACCACAAACATTAACACGTT AGCAAAAGTTGTAAGAAGGAAAGTATTTTGGTTTTCATCGCCGTTGATAATTGTTAAT GACCTGCATTGCATTGGTGCATTGCTGGGAGGCATATTGATGTGCTGGGTTTAAACCA TTGACCCAGGTAAGTGTGGAAGTTTGACATGGAGTGAGCCCTTCACACCACGAACCC CCACCAGAGAAAGCCGACAATTTGGGAAGTGGACAGATTTGAACCATTGTTCCCAATCT CCGCGCTGACTTCCTTGTAAACCTGATCACCTGTTGGTTCTGGGGCGAAATTCCC GGCCGCCCTTAAGTGGAGGCGTATAAAAAATTTGAGGGTAACTTAACCAGCCTTTGC TTATATAGACCCTCAACCGTAAACGCCTTAACGCCCATTTGGGTAACCGGGCGGGGTTT ATAACCAATATTGGAAAGCCCTGGGTTTGGGGCAACAACTCCCATTGAGGTAAG GGGGGGGAACTTGAAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_002934
Insert Size:	910 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_002934.2</u> , <u>NP_002925.1</u>
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]