

Product datasheet for SC118282

Ribonuclease 3 (RNASE3) (NM_002935) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ribonuclease 3 (RNASE3) (NM_002935) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ribonuclease 3
Synonyms:	ECP; RAF1; RNS3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002935 edited
 ATGGTTCCAAAAGTTCCTCACTTCCAAAATTTGTCTGCTTCTTCTGTTGGGGCTTATGGGT
 GTGGAGGGCTCACTCCATGCCAGACCCACAGTTTACGAGGGCTCAGTGGTTGCCATC
 CAGCACATCAGTCTGAACCCCTCGATGCACCATTGCAATGCGGCAATTAACAATTAT
 CGATGGCGTTGCAAAAACCAAAATACTTTTCTCGTACAACCTTTTCTAATGTAGTTAAT
 GTTTGTGGTAACCAAAGTATACGCTGCCCTCATAACAGAACTCTCAACAATTGTCATCGG
 AGTAGATTCCGGGTGCCTTTACTCCACTGTGACCTCATAAATCCAGGTGCACAGAATATT
 TCAAATGCACGTATGCAGACAGACCAGGAAGGAGTTCTATGTAGTTGCATGTGACAAC
 AGAGATCCACGGGATTCTCCACGGTATCCTGTGGTTCCAGTTCACCTGGATACCACCATC
 TAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_002935 unedited
 GGGCTGCAGATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCTGGA
 TCAGTTCTCACAGGAGCCACAGCTCAGACCTGGGAAACATGGTTCCAAAAGTTCCTCACT
 CCCAAAATTTGTCTGCTTCTTCTGTTGGGGCTTATGGGTGTGGAGGGCTCACTCCATGCCA
 GACCCACAGTTTACGAGGGCTCAGTGGTTTCCATCCAGCACATCAGTCTGAACCCCT
 CTCGATGCACCATTGCAATGCGGCAATTAACAATTATCGATGGCGTTGCAAAAACCAAA
 AATACTTTTCTTCTGTAACAACCTTTGCTAATGTAGTTAATGTTTGTGGTAACCAAAGTATAC
 GCTGCCCTCATAACAGAACTCTCAACAATTGTCATCGGAGTAGATTCCGGGTGCCTTTAC
 TCCACTGTGACCTCATAAATCCAGGTGCACAGAATATTTCAAAGTGCACGTATGCAGACA
 GACCAGGAAGGAGGTTCTATGTAGTTGCATGTGACAACAGAGATCCACGGGATTCTCCAC
 GGTATCCTGTGGTTCCAGTTCACCTGGATACCACCATCTAAGCTCCTGTATCAGCACTCC
 TCATCATCACTCATCTGCCAAGCTCCTCAATCATAGCCAAGATCCCATCCCTCCATGTAC
 TCTGNGTATCAGCAACTGCCTCATCAGTCTCCATACCCCTTCAGCTNCTCCTGAGCTGAA
 GTCCCTTGTGAACCCTGNCATAAACTGCNTTGCAAATTCANAAAAAAAAAAAAAAAAAACTC
 GACTCTAGAATTGCGCCCGCGTATAGCTGTTTCTGAACAGATCCCNNGTGGCATCCCT
 GTGACCCCTCCAGTGCCTCTCCTGGCCCTGNNAGTGCCACTCCATGCCACCC



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002935 unedited GGGGCCGCGGGGGANNCCNGCCCCCTTTNNNNNNNNNNNTTACTTGNACCCGGCCGCAATC TANATCGAGTTTTTTTTTTTTTTTTTTTNGATTGCAAAGCAGTTTATTGCAGGGTTCAC AAGGGACTTCAGCTCAGGAAAGCTGAAGGGGTATGGAGACTGATGAGGACAGTTGCTGAT ACCCAGAGTACATGGAGGGATGGGATCTTGGCTATGATTGAGGAGCTTGGCAGATGAGTG ATGATGAGGAGTGCTGATACAGGAGCTTAAATGGTGGTATCCAGGTGAACTGGAACCACA GGATACCGTGGAGAATCCCGTGGATCTCTGTTGTCACATGCAACTACATAGAACCCTCCTT CCTGGTCTGTCTGCATACGTGCAGTTTGAATATTCTGTGCACCTGGATTATGAGGTCA CAGTGGAGTAAAGGCACCCGGAATCTACTCCGATGACAATTGTTGAGAGTTCTGTTATGA GGGCAGCGTATACTTTGGTTACCACAAACATTAACACTACATTAGCAAAAAGTTGTACGAAGA AAAGTATTTTGGTTTTTGAACGCCATCGATAATTGTTAATTGCCCGCATTGCAATGGTG CATCGAGGGGGTTCAGACTGATGTGCTGGATGGCAAACCACTGAGCCCTCGTAAACTGT GGNGGGTCTGGCATGGAGTGAGCCCTCCACACCATAAGCCCCAACAGAAGAAGCAGACA AATTTGGGAAGTGAACAGTTNTGGAACCATGTTTCCCAGTCTCTGAGCTGTGGCTCCTGT GAGAAGTATCCAGCCTCGTCCGAATTCGCGGCCGCTATAGTGAGTCTGATTACANAA TCTGACGTTCACTAACGAGCTTGTATATAGACTNNCACGTAACGCTACGCCATTTGCGT ACGGGGCGGGTTATACGACATTTGAAGTCCGTGATTT
Restriction Sites:	NotI-NotI
ACCN:	NM_002935
Insert Size:	760 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:	<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_002935.2 , NP_002926.2
RefSeq Size:	716 bp
RefSeq ORF:	483 bp
Locus ID:	6037
UniProt ID:	P12724
Cytogenetics:	14q11.2
Domains:	RNase_Pc
Protein Pathways:	Asthma

Gene Summary:

The protein encoded by this gene belongs to the pancreatic ribonuclease family, a subset of the ribonuclease A superfamily. The protein exhibits antimicrobial activity against pathogenic bacteria [provided by RefSeq, Oct 2014]