

## Product datasheet for **SC306009**

### **RNASE8 (NM\_138331) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNASE8 (NM_138331) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNASE8
Synonyms:	RAE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306009 representing NM_138331. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGGCACCAGGCCAGAGCAGGATGCTGCCCTGCTGCTGCTTCTGGGGCTGTGGGTGGCAGAGGTC  
 CTAGTCAGAGCCAAGCCCAAGGACATGACATCATCTCAGTGGTTTAAACTCAGCATGTGCAGCCAGC  
 CCTCAAGCATGCAACTCAGCCATGAGCATCATCAATAAGTACACAGAACGGTGCAAGACCTCAACACC  
 TTCCTGCACGAGCCCTTCTCCAGTGTGGCCATCACCTGCCAGACCCCAACATAGCCTGCAAGAATAGC  
 TGTAATAAAGTGCACAGAGCCACGGGCCCATGTCCCTGACCATGGGTGAGCTCACCTCAGGGAAGTAC  
 CCAAAGTGCAGGTACAAAGAGAAGCACCTGAACACACCTTACATAGTGGCCTGTGACCCTCCACAACAG  
 GGTGACCCAGGGTACCACTTGTTCCTGTGCACTTGGATAAAGTTGTCTAA  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_138331
Insert Size:	465 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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_138331.2</a></u>
<b>RefSeq Size:</b>	634 bp
<b>RefSeq ORF:</b>	465 bp
<b>Locus ID:</b>	122665
<b>UniProt ID:</b>	<u><a href="#">Q8TDE3</a></u>
<b>Cytogenetics:</b>	14q11.2
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	17 kDa
<b>Gene Summary:</b>	The protein encoded by this gene belongs to the pancreatic ribonuclease family, a subset of the ribonuclease A superfamily. The protein is expressed prominently in the placenta and exhibits antimicrobial activity against pathogenic bacteria and fungi. [provided by RefSeq, Oct 2014]