

## Product datasheet for **SC301260**

### Salivary alpha amylase (AMY1C) (NM\_001008219) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Salivary alpha amylase (AMY1C) (NM\_001008219) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** AMY1C  
**Synonyms:** AMY1  
**Vector:** pCMV6 series

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001008219, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCTCTTTTGGTTGCTTTTCACCATTGGGTTCTGCTGGGCTCAGTATTCCTCAAAT
ACACAACAAGGACGAACATCTATTGTTTCATCTGTTTGAATGGCGATGGGTTGATATTGCT
CTTGAATGTGAGCGATATTTAGCTCCCAAGGGATTTGGAGGGGTTTCAGGTCTCTCCACCA
AATGAAAATGTTGCCATTCACAACCTTTTCAGACCTTGGTGGGAAAGATACCAACCAGTT
AGCTATAAATTATGCACAAGATCTGAAATGAAGATGAATTTAGAAACATGGTGACTAGA
TGCAACAATGTTGGGTTTCGTATTTATGTGGATGCTGTAATTAATCATATGTGTGGTAAT
GCTGTGAGTGCAGGAACAAGCAGTACCTGTGGAAGTTACTTCAACCTGGAAGTAGGGAC
TTTCCAGCAGTCCCATATTCTGGATGGGATTTTAAATGATGGTAAATGTAAACTGGAAGT
GGAGATATCGAGAACTATAATGATGCTACTCAGGTCAGAGATTGTCGTCTGTCTGGTCTT
CTCGATCTTGCACTGGGGAAGGATTATGTGCGTTCTAAGATTGCCGAATATATGAACCAT
CTCATTGACATTTGGTGTTCAGGGTTTCAGAATTGATGCTTCCAAGCACATGTGGCCTGGA
GACATAAAGGCAATTTTGGACAACTGCATAATCTAAACAGTAACTGGTCCCAGGAAAGGT
AGTAAACCTTTTCAATTTACCAGGAGGTAATTGATCTGGGTGGTGGAGCAATTTAAAGCAGT
GACTACTTTGGTAATGGCCGGGTGACAGAATCAAGTATGGTGCAAACTCGGCACAGTT
ATTCGCAAGTGGAAATGGAGAGAAGATGTCTTACTTAAAGAACTGGGAGAAAGTTGGGGT
TTCATGCCTTCTGACAGAGCGCTTGTCTTTGGGATAACCATGACAATCAACGAGGACAT
GGCGCTGGAGGAGCCTCTATACTTACCTTCTGGGATGCTAGGCTGTACAAAATGGCAGTT
GGATTTATGCTTGCTCATCCTTATGGATTTACACGAGTAATGTCAAGCTACCGTTGGCCA
AGATATTTGAAAATGGAAAAGATGTTAATGATTGGGTTGGGCCACCAAATGATAATGGA
GTAACATAAAGAAGTTACTATTAATCCAGACACTACTTGTGGCAATGACTGGGTCTGTGAA
CATCGATGGCGCAAATAAGGAACATGGTTAATTTCCGCAATGTAGTGGATGGCCAGCCT
TTTACAACTGGTATGATAATGGGAGCAACCAAGTGGCTTTTGGGAGAGGAAACAGAGGA
TTCATTGTTTTCAACAATGATGACTGGACATTTTCTTTAACTTTGCAAACTGGTCTTCTCT
GCTGGCACATACTGTGATGTCATTTCTGGAGATAAAATTAATGGCAACTGCACAGGCATT
AAAATCTACGTTTCTGATGATGGCAAAGCTCATTTTTCTATTAGTAACTCTGCTGAAGAT
CCATTTATTGCAATTCATGCTGAATCTAAATTGTAA
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**Restriction Sites:** Please inquire  
**ACCN:** NM\_001008219



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<b>OTI Disclaimer:</b>	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).
<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_001008219.1</a></u> , <u><a href="#">NP_001008220.1</a></u>
<b>RefSeq Size:</b>	1860 bp
<b>RefSeq ORF:</b>	1536 bp
<b>Locus ID:</b>	278
<b>UniProt ID:</b>	<u><a href="#">P04745</a></u>
<b>Cytogenetics:</b>	1p21.1
<b>Protein Pathways:</b>	Metabolic pathways, Starch and sucrose metabolism
<b>Gene Summary:</b>	<p>Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the salivary gland. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer variant. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>