

## Product datasheet for **SC300065**

### Amylin (IAPP) (NM\_000415) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Amylin (IAPP) (NM_000415) Human Untagged Clone
Tag:	Tag Free
Symbol:	Amylin
Synonyms:	DAP; IAP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_000415 edited ATGGGCATCCTGAAGCTGCAAGTATTTCTCATTGTGCTCTCTGTTGCATTGAACCATCTG AAAGCTACACCCATTGAAAGTCATCAGGTGAAAAGCGGAAATGCAACACTGCCACATGT GCAACGCAGCGCCTGGCAAATTTTTAGTTCATTCCAGCAACAACCTTTGGTGCCATTCTC TCATCTACCAACGTGGGATCCAATACATATGGCAAGAGGAATGCAGTAGAGGTTTTAAAG AGAGAGCCACTGAATTACTTGCCCTTTAG
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000415 unedited NGGTCAGTCAAATTTGTATACGACTCATATAGGGCGGCCGATTGCGCCCTTGCTGAC TTGAAACATTAAGAAAATTTGAGAAGCAATGGGCATCCTGAAGCTGCAAGTATTTCTCA TTGTGCTCTGTGTCATTGAACCATCTGAAAGCTACACCCATTGAAAGTCATCAGGTGG AAAAGCGGAAATGCAACACTGCCACATGTGCAACGCAGCGCCTGGCAAATTTTTAGTTC ATTCCAGCAACAACCTTTGGTGCCATTCTCTCATCTACCAACGTGGGATCCAATACATATG GCAAGAGGAATGCAGTAGAGTTTTAAAGAGAGAGCCACTGAATTACTTGCCCTTTAGA GGACAATGTAACCTATAGTTATTGTTTTATGTTCTAGTGATTTCTGTATAATTTAACA GTGCCCTTTTCATCTCCAGTGTGAATATATGGTCTGAAGGGCGAATTCAGATCTGGTACC GATATCAAGCTTGTGACTCTAGATTGCGGCCCGGTCATAGCTGTTTCCTGAACAGATC CCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTC CAGTGCCACCAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGT CCTTCTATAATATTATGGGGTGGAGGGGGTGGGTATGGNAGCAAGNGCAAGNTNGGGA AGACAACCTGTNAGGCCCTGCGNGTCTATTGNGAACCAAGCTGGAGTGCAGTGGCACAAT CTTGGCTCACTGCAATCTCCGCTTCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCG AGTTGTGGGGATTCCAGCATGCNATGACCAGCTCAGCTT
Restriction Sites:	Please inquire
ACCN:	NM_000415



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<b>Insert Size:</b>	400 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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>	<a href="#">NM_000415.1</a> , <a href="#">NP_000406.1</a>
<b>RefSeq Size:</b>	1462 bp
<b>RefSeq ORF:</b>	270 bp
<b>Locus ID:</b>	3375
<b>UniProt ID:</b>	<a href="#">P10997</a>
<b>Cytogenetics:</b>	12p12.1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Maturity onset diabetes of the young
<b>Gene Summary:</b>	<p>This gene encodes a member of the calcitonin family of peptide hormones. This hormone is released from pancreatic beta cells following food intake to regulate blood glucose levels and act as a satiation signal. Human patients with type 1 and advanced type 2 diabetes exhibit reduced levels of the encoded hormone in blood and pancreas. This protein also exhibits a bactericidal, antimicrobial activity. [provided by RefSeq, Jul 2016]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>