

Product datasheet for **SC308086**

AMCase (CHIA) (NM_201653) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: AMCase (CHIA) (NM_201653) Human Untagged Clone
Tag: Tag Free
Symbol: AMCase
Synonyms: AMCASE; CHIT2; TSA1902
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_201653 edited
 GTGCTGACTGCAACCATGACAAAGCTTATTCTCCTCACAGGTCTTGTCTTATACTGAAT
 TTGCAGCTCGGCTCTGCCTACCAGCTGACATGCTACTTCACCAACTGGGCCAGTACCGG
 CCAGGCCCTGGGGCGCTTCATGCCTGACAACATCGACCCCTGCCTCTGTACCCACCTGATC
 TACGCCTTTGCTGGGAGGCAGAACAACGAGATCACACCATCGAATGGAATGATGTGACT
 CTCTACCAAGCTTTCAATGGCCTGAAAAATAAGAACAGCCAGCTGAAAACCTCTCCTGGCC
 ATTGGAGGCTGGAACCTTCGGGACTGCCCTTTCACTGCCATGGTTTCTACTCCTGAGAAC
 CGCCAGACTTTTCATCACCTCAGTCATCAAATTCCTGCGCCAGTATGAGTTTGACGGGCTG
 GACTTTGACTGGGAGTACCCTGGCTCTCGTGGGAGCCCTCCTCAGGACAAGCATCTTTC
 ACTGTCCTGGTGCAGGAAATGCGTGAAGCTTTTGAGCAGGAGGCCAAGCAGATCAACAAG
 CCCAGGCTGATGGTCACTGCTGCAGTAGCTGCTGGCATCTCCAATATCCAGTCTGGCTAT
 GAGATCCCCCAACTGTACAGTACCTGGACTACATCCATGTCATGACCTACGACCTCCAT
 GGCTCCTGGGAGGGCTACACTGGAGAGAACAGCCCCCTTACAAAATACCCGACTGACACC
 GGCAGCAACGCCTACCTCAATGTGGATTATGTCATGAACTACTGGAAGGACAATGGAGCA
 CCAGCTGAGAAGCTCATCGTTGGATTCCCTACCTATGGACACAACCTTCATCCTGAGCAAC
 CCCTCCAACACTGGAATTGGTGGCCCCACCTCTGGTGTGGTCTGCTGGGCCCTATGCC
 AAGGAGTCTGGGATCTGGGCTTACTACGAGATCTGTACCTTCTGAAAAATGGAGCCACT
 CAGGGATGGGATGCCCTCAGGAAGTGCCTTATGCCTATCAGGGCAATGTGTGGTTGGC
 TATGACAACATCAAGAGCTTCGATATTAAGGCTCAATGGCTTAAGCACAACAAATTTGGA
 GCGCCATGGTCTGGGCCATTGATCTGGATGACTTCACTGGCACTTTCTGCAACCAGGGC
 AAGTTTCCCTAATCTCCACCCTGAAGAAGGCCCTCGGCCTGCAGAGTGAAGTTGCACG
 GCTCCAGCTCAGCCATTGAGCCAATAACTGCTGCTCCCAGTGGCAGCGGGAACGGGAGC
 GGGAGTAGCAGCTCTGGAGGCAGCTCGGGAGGCAGTGGATTCTGTGCTGTGAGGCCAAC
 GGCCTCTACCCCGTGGCAAATAACAGAAATGCCTTCTGGCACTGCGTGAATGGAGTCACG
 TACCAGCAGAAGTCCAGGCCGGCTTGTCTTCGACACCAGCTGTGATTGCTGCAACTGG
 GCATAAACCTGACCTGGTCTATATCCCTAGAGTTCAGTCTCTTTTGTAGGACATGT
 TGCCCTACCTAAAGTC



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Restriction Sites:	Please inquire
ACCN:	NM_201653
Insert Size:	1500 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_201653.2.
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_201653.1 , NP_970615.1
RefSeq Size:	1448 bp
RefSeq ORF:	1107 bp
Locus ID:	27159
UniProt ID:	Q9BZP6
Cytogenetics:	1p13.2
Protein Families:	Secreted Protein
Protein Pathways:	Amino sugar and nucleotide sugar metabolism

Gene Summary:

The protein encoded by this gene degrades chitin, which is found in the cell wall of most fungi as well as in arthropods and some nematodes. The encoded protein can also stimulate interleukin 13 expression, and variations in this gene can lead to asthma susceptibility. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Transcript Variant: This variant (4) represents the longest transcript and encodes the longest isoform (c). Version 1 of this RefSeq represented a distinct variant (1) encoding a different isoform (a).