

Product datasheet for **SC331124**

AMCase (CHIA) (NM_001040623) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMCase (CHIA) (NM_001040623) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMCase
Synonyms:	AMCASE; CHIT2; TSA1902
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331124 representing NM_001040623. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCGTGAAGCTTTTGAGCAGGAGGCCAAGCAGATCAACAAGCCCAGGCTGATGGTCACTGCTGCAGTA
GCTGCTGGCATCTCCAATATCCAGTCTGGCTATGAGATCCCCAACTGTCACAGTACCTGGACTACATC
CATGTCATGACCTACGACCTCCATGGCTCTGGGAGGGCTACACTGGAGAGAACAGCCCCCTCTACAAA
TACCCGACTGACACCGGCAGCAACGCCTACCTCAATGTGGATTATGTCATGAACTACTGGAAGGACAAT
GGAGCACCAGCTGAGAAGCTCATCGTTGGATTCCCTACCTATGGACACAACCTTCATCCTGAGCAACCCC
TCCAACACTGGAATTGGTGCCCCACCTCTGGTCTGGTCTGCTGGGCCCTATGCCAAGGAGTCTGGG
ATCTGGGCTTACTACGAGATCTGTACCTTCTGAAAAATGGAGCCACTCAGGGATGGGATGCCCCCTCAG
GAAGTGCCTTATGCCTATCAGGGCAATGTGTGGGTTGGCTATGACAACATCAAGAGCTTCGATATTAAG
GCTCAATGGCTTAAGCACAAACAATTTGGAGGCGCCATGGTCTGGGCCATTGATCTGGATGACTTCACT
GGCACTTTCTGCAACCAGGGCAAGTTTCCCCTAATCTCCACCCTGAAGAAGGCCCTCGGCCCTGCAGAGT
GCAAGTTGCACGGCTCCAGCTCAGCCCATTGAGCCAATAACTGCTGCTCCCAGTGGCAGCGGGAACGGG
AGCGGGAGTAGCAGCTCTGGAGGAGCTCGGGAGGAGTGGATTCTGTGCTGTGAGCCAAACGGCCCTC
TACCCCGTGGCAAATAACAGAAATGCCTTCTGGCACTGCGTGAATGGAGTCACGTACCAGCAGAAGTGC
CAGGCCGGGCTTGTCTTCGACACCAGCTGTGATTGCTGCAACTGGGCATAA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001040623
Insert Size:	948 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).



[View online »](#)

Reconstitution Method:

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_001040623.2](#)

RefSeq Size: 1371 bp

RefSeq ORF: 948 bp

Locus ID: 27159

UniProt ID: [Q9BZP6](#)

Cytogenetics: 1p13.2

Protein Families: Secreted Protein

Protein Pathways: Amino sugar and nucleotide sugar metabolism

MW: 33.9 kDa

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 (3) lacks exons in the 5' end of the coding region compared to variant 4. The resulting isoform (b, also known as TSA1902-S) is shorter at the N-terminus compared to isoform a. Variants 3, 6, 8, and 9 all encode the same isoform (b).