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Product datasheet for SC332562

AMCase (CHIA) (NM_001258002) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: AMCase (CHIA) (NM_001258002) Human Untagged Clone

Tag: Tag Free

Symbol: AMCase

Synonyms: AMCASE; CHIT2; TSA1902

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332562 representing NM_001258002.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCGTGAAGCTTTTGAGCAGGAGGCCAAGCAGATCAACAAGCCCAGGCTGATGGTCACTGCTGCAGTA
GCTGCTGGCATCTCCAATATCCAGTCTGGCTATGAGATCCCCCAACTGTCACAGTACCTGGACTACATC
CATGTCATGACCTACGACCTCCATGGCTCCTGGGAGGGCTACACTGGAGAGAACAGCCCCCTCTACAAA
TACCCGACTGACACCGGCAGCAACGCCTACCTCAATGTGGATTATGTCATGAACTACTGGAAGGACAAT
GGAGCACCAGCTGAGAAGCTCATCGTTGGATTCCCTACCTATGGACACAACTTCATCCTGAGCAACCCC
TCCAACACTGGAATTGGTGCCCCCACCTCTGGTGCTGGTCCTGCTGGGCCCTATGCCAAGGAGTCTGGG
ATCTGGGCTTACTACGAGATCTGTACCTTCCTGAAAAATGGAGCCACTCAGGGATGGGATGCCCCTCAG
GAAGTGCCTTATGCCTATCAGGGCAATGTGTGGGTTGGCTATGACAACATCAAGAGCTTCGATATTAAG
GCTCAATGGCTTAAGCACAACAAATTTGGAGGCGCCATGGTCTGGGCCATTGATCTGGATGACTTCACT
GGCACTTTCTGCAACCAGGGCAAGTTTCCCCTAATCTCCACCCTGAAGAAGGCCCTCGGCCTGCAGAGT
GCAAGTTGCACGGCTCCAGCTCAGCCCATTGAGCCAATAACTGCTGCTCCCAGTGGCAGCGGGAACGGG
AGCGGGAGTAGCAGCTCTGGAGGCAGCTCGGGAGGCAGTGGATTCTGTGCTGTCAGAGCCAACGGCCTC
TACCCCGTGGCAAATAACAGAAATGCCTTCTGGCACTGCGTGAATGGAGTCACGTACCAGCAGAACTGC
CAGGCCGGGCTTGTCTTCGACACCAGCTGTGATTGCTGCAACTGGGCATAA

Restriction Sites: SgfI-MluI

ACCN: NM_001258002

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).

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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_001258002.1
RefSeq Size:	1248 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 (6) lacks exons in the 5' coding region and initiates translation at a downstream AUG compared to variant 4. The encoded isoform (b, also known as TSA1902-S) has a shorter N-terminus and lacks a signal peptide compared to isoform c. Variants 3, 6, 8, and 9 all encode the same isoform (b).