

Product datasheet for MC217930

Chia (BC011134) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Chia (BC011134) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Chia
 Synonyms: YNL, AMCase
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >BC011134
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTTCCACTTCTCAGAACC GCCAGACCTTCATTACCTCAGTCATCAAATTTCTGCGTCAGTATGGGT
 TTGATGGACTGGACCTGGACTGGGAATACCCAGGCTCACGTGGGAGCCCTCCTCAGGACAAGCATCTCTT
 CACTGTCTGGTGAAGGAAATGCGTGAAGCTTTTGAGCAGGAGGCTATTGAGAGCAACAGGCCCAGACTG
 ATGGTTACTGCTGCTGTAGCTGGTGGGATTTCCAACATCCAGGCTGGCTATGAGATCCCTGAACTTTCTA
 AGTACCTGGATTTTCATCCATGTCATGACATATGACCTCCATGGCTCCTGGGAGGGCTACACTGGGGAGAA
 TAGTCCTCTTTACAAATACCCTACTGAGACTGGTAGCAATGCCTACCTCAATGTGGATTATGTCATGAAC
 TATTGGAAGAACAATGGAGCCCCAGCTGAGAAGCTCATTGTTGGATTCCCAGAGTATGGACACACCTTCA
 TCCTGAGAAACCCTCTGATAATGGAATTGGTGCCCTACCTCTGGTATGGCCCTGCTGGGCCCTATAC
 CAGACAGGCTGGGTTCTGGGCCACTATGAGATTTGCACCTTTCTGAGAAGTGGAGCCACTGAGGCTGG
 GATGCCCTCCAAGAAGTGCCCTATGCCTATAAGGCCAACGAGTGGCTTGGCTATGACAATATCAAGAGCT
 TCAGTGTTAAGGCTCAGTGGCTTAAGCAGAACAATTTGGAGGTGCCATGATCTGGGCCATTGACCTTGA
 TGACTTCACTGGCTCTTTCTGTGATCAGGAAAAATTTCTCTGACTTCTACTTTGAACAAAGCCCTTGGC
 ATATCCACTGAAGTTGCACAGCTCCTGACGTGCCTCCGAGCCAGTGACTACTCTCCAGGAAGTGGGA
 GTGGGGGTGGAAGCTCCGGAGGAAGCTCTGGAGGCAGTGGATTCTGTGCCGACAAAGCAGATGGCCTCTA
 CCCTGTGGCAGATGACAGAAATGCTTTTGGCAGTGCAATGGAATCACATACCAGCAGCATTGTCAA
 GCAGGGCTGTTTTTGATACCAGCTGTAATTGCTGCAACTGGCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: BC011134



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Insert Size:	1098 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).
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:	<u>BC011134</u> , <u>AAH11134</u>
RefSeq Size:	1538 bp
RefSeq ORF:	1097 bp
Locus ID:	81600
Cytogenetics:	3 F2.2
Gene Summary:	Degrades chitin and chitotriose. May participate in the defense against nematodes, fungi and other pathogens. Plays a role in T-helper cell type 2 (Th2) immune response. Contributes to the response to IL-13 and inflammation in response to IL-13. Stimulates chemokine production by pulmonary epithelial cells. Protects lung epithelial cells against apoptosis and promotes phosphorylation of AKT1. Its function in the inflammatory response and in protecting cells against apoptosis is inhibited by allosamidin, suggesting that the function of this protein depends on carbohydrate binding. Presence in saliva and gastric juice suggests a function as a digestive enzyme.[UniProtKB/Swiss-Prot Function]