

Product datasheet for **MR205283**

Ambp (NM_007443) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ambp (NM_007443) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ambp
Synonyms: A1194774; ASPI; HI-3; HI-30; I; In; Intin4; Itil; uli; UT; UTI
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR205283 representing NM_007443
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAAGGCTCTCAGGACCCTGTTCTGCTGCTGACTGCCTGCCTCGCTTCGAGGGCTGACCCTGCGTCAA
 CACTGCCAGATATCCAGGTTCCAGGAGAAGTTCAGTGAGTCCCGGATCTATGGAAAATGGTACAACCTGGC
 GGTGGGATCCACCTGCCGTGGCTGAGCCGCATTAAGGACAAGATGAGCGTGAGCAGCTGGTGTGCGAG
 GAGGGGGCGACAGAAACAGAGATCAGCATGACCAGTACTCGATGGCGGAGAGGTGTCTGTGAGGAGATCA
 CTGGGGCGTACCAGAAGACGGACATCGATGGAAAGTTCCTCTACCACAAATCCAAATGGAACATAACCTT
 GGAATCCTATGTGGTCCACCAACTATGACGAATATGCCATTTTCCTTACCAAGAAGTCCAGCCACCAC
 CACGGGCTCACCATCACTGCCAAGCTCTATGGTCGGGAGCCACAGCTGAGGGACAGCCTTCTGCAGGAGT
 TCAAGGATGTGGCCCTGAATGTGGGCATCTCTGAGAACTCCATCATTTTTATGCCTGACAGAGGGGAATG
 TGTCCCTGGGGATCGGGAGGTGGAGCCACATCAATTGCCAGAGCCCGGGCGGAGTGTGCCCCAAAGAG
 AGTGAGGGGTGAGGACTGAGCCACTAATAACTGGGACCCTCAAGAAAGAAGACTCCTGCCAGCTCAATT
 ACTCAGAAGGCCCTGCCTAGGGATGCAAGAGAGGTATTACTACAACGGCGCTTCCATGGCCTGCGAGAC
 CTTTCAATATGGGGTTGCCTAGGCAACGGCAACAACCTCATCTCTGAGAAGGACTGTCTGCAGACATGT
 CGGACCATAGCGGCTGCAATCTCCCATAGTCCAAGGCCCTGCCGAGCCTTCAATAAGCTCTGGGCAT
 TTGATGCAGCACAAAGGAAGTGCAATCCAATCCACTACGGGGGCTGCAAAGGCAACGGCAACAAATCTCA
 CTCTGAGAAGGAATGCAAAGAGTACTGTGGAGTCCCTGGTGTGGTACGAGGAATAATACGCAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205283 representing NM_007443
 Red=Cloning site Green=Tags(s)

MQGLRTLFLLLTACLASRADPASTLPDIQVQENFSESRIYGKWNLAVGSTCPWLSRIKDKMSVSTLVLQ
 EGATETEISMTSTRWRRGVCEEITGAYQKTDIDGKFLYHKSKNITLESYVVHTNYDEYAIFLTKKSSH
 HGLTITAKLYGREPQLRDSLLQEFKDVALNVGISENSIIFMPDRGECVPGDREVEPTSIARRAVLPQE
 SEGSGTEPLITGLTKKEDSCQLNYSEGPCGLMQERYYYNGASMACETFQYGGCLGNGNFISEKDLQTC
 RTIAACNLPIVQGPCRAFIKLWAFDAAQKCIQFHYGGCKGNGNKFYSEKECKEYCGVPGDGYEELIRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9005_e04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007443

ORF Size: 1047 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:**
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_007443.4](#)

RefSeq Size: 1233 bp

RefSeq ORF: 1050 bp

Locus ID: 11699

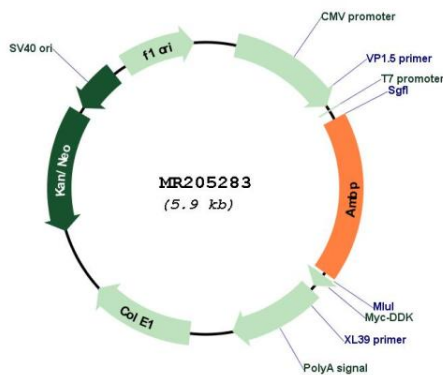
UniProt ID: [Q07456](#)

Cytogenetics: 4 33.96 cM

MW: 39.5 kDa

Gene Summary: This gene encodes a fusion protein that undergoes proteolytic processing to generate two mature proteins: alpha-1-microglobulin (A1m) is a heme-binding plasma glycoprotein of the lipocalin superfamily of proteins that bind to hydrophobic molecules, whereas bikunin belongs to the superfamily of Kunitz-type protease inhibitors. The transgenic mice specifically lacking bikunin, but not A1m, exhibit female infertility and an increased sensitivity to lung metastasis. [provided by RefSeq, Oct 2015]

Product images:



Circular map for MR205283