

Product datasheet for **MR212474**

Hba-a2 (NM_001083955) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hba-a2 (NM_001083955) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hba-a2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR212474 representing NM_001083955
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCTCTCTGGGAAGACAAAAGCAACATCAAGGCTGCCTGGGGGAAGATTGGTGGCCATGGTGCTG
AATATGGAGCTGAAGCCCTGAAAGGATGTTTGCTAGCTTCCCCACCACCAAGACCTACTTCCCTCACTT
TGATGTAAGCCACGGCTCTGCCAGGTCAAGGGTCACGGCAAGAAGGTCGCCGATGCTCTGGCCAATGCT
GCAGGCCACCTCGATGACCTGCCCGTGCCTGTCTGCTCTGAGCGACCTGCATGCCACAAGCTGCGTG
TGGATCCCGTCAACTTCAAGCTCCTGAGCCACTGCCTGGTGACCTTGGCTAGCCACCACCTGCCGA
TTTCACCCCGCGGTGCATGCCTCTGGATAAATTCCTTGCTCTGTGAGCACCGTCTGACCTCCAAG
TACCGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212474 representing NM_001083955
Red=Cloning site Green=Tags(s)

MVLSGEDKSNIIKAAWGKIGGHGAEYGAELERMFASFPTTKTYFPHFVSHGSAQVKGHGKVVADALANA
AGHLDDLPGALSALSDLHAHKLRVDPVNFKLLSHCLLVTLASHHPADFTPAVHASLDKFLASVSTVLT
SKYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9053_d03.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_001083955

ORF Size: 426 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_001083955.1](#), [NP_001077424.1](#)

RefSeq Size: 587 bp

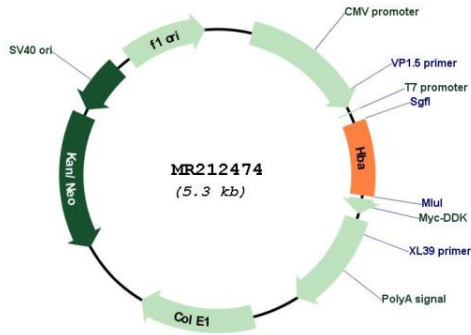
RefSeq ORF: 429 bp

Locus ID: 110257

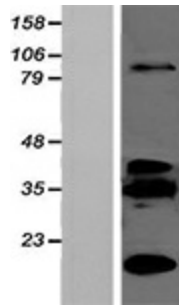
Cytogenetics: 11 18.87 cM

MW: 15.1 kDa

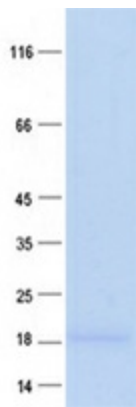
Product images:



Circular map for MR212474



Western validation with an anti-DDK antibody; L: Control HEK293 lysate R: Over-expression lysate



Coomassie blue staining of purified Hba-a2 protein (Cat# [TP512474]). The protein was produced from HEK293T cells transfected with Hba-a2 cDNA clone (Cat# MR212474) using MegaTran 2.0 (Cat# [TT210002]).