

Product datasheet for **MR203468**

Itm2a (NM_008409) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itm2a (NM_008409) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itm2a
Synonyms:	AW108051; Bricd2a; E25; Itm2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203468 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAAGATCGCCTTCAACACCCCTACGGCGGTGCAAAGGAGGAGGCGCGCAAGATGTAGAGGCGC
TCGTCAGTCGCACTGTCCGAGCTCAAATCCTGACTGGCAAGGAGCTCAGAGTTGCCCGCAGGAGAAAGA
TGGCTCATCTGGGAGATGCATGCTTACTCTCCTAGGCCTCTCATTATCTTGGCAGGACTGATTGTTGGT
GGAGCCTGCATTTACAAGTACTTCATGCCCAAGAGCACCATTTACCATGGTGAAGATGTGCTTCTTTGATT
CTGAGGATCCTGTCAATTCATTCTGGAGGAGGCCATACTTTCTGCCTGTGACTGAGGAGGCTGATAT
CCGTGAGGATGACAACATTGCCATCATTGATGTGCTGTGCCAGTTTCTCTGATAGCGATCCGGCGGCA
ATTATTCACGACTTTGAGAAGGGAATGACTGCTTACCTGGACTTGCTTTGGGAACTGTTATCTGATGC
CCCTCAATACTTCCATTGTTATGACTCCAAAGAATCTGGTGGAACTTTTGGAAAAGTGGCAAGTGGCAA
GTATTTGCCTCATACTTATGTGGTTCGTGAAGACCTGGTTGCTGTGGAAGAAATTCGTGATGTTAGTAAC
CTTGGTATTTTTATTTACCACTTTGCAACAACCGAAAATCCTTCCGCCTTAGACGCAGAGACCTTCTGC
TGGTTTCAACAAGCGTGCCATTGACAAATGCTGGAAGATTAGACACTTCCCAATGAATTTATCGTTGA
AACCAAGATCTGTCAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR203468 protein sequence
 Red=Cloning site Green=Tags(s)

MVKIAFNTPTAVQKKEARQDVEALVSRVRAQILTGKELRVVPQEKDGSSGRCLTLLGLSFILAGLIVG
 GACIYKYFMPKSTIYHGEMCFDSEDPVNSIPGGEPYFLPVTEEADIREDDNIAIIDVPVPSFSDSDPAA
 IIHDFEKGMTAYLDLLLGNCYLMLPLNTSIVMTPKNLVELFGKLAGSKYLPHTYVVREDLVAVEEIRDVSN
 LGIFIIYQLCNNRKSFRLLRRRDLLLGFNKRAIDKCKWIRHFPNEFIVETKICQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008409

ORF Size: 792 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_008409.2](#), [NP_032435.2](#)

RefSeq Size: 1632 bp

RefSeq ORF: 792 bp

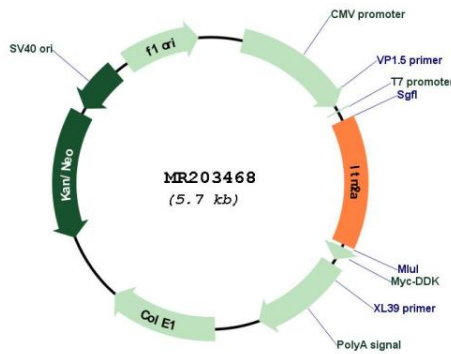
Locus ID: 16431

UniProt ID: [Q61500](#)

Cytogenetics: X D

MW: 29.7 kDa

Product images:



Circular map for MR203468