

Product datasheet for MR200187

Isca2 (BC022589) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Isca2 (BC022589) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Isca2

Synonyms: 0710001C05Rik; 5730594E03Rik; Hbld1

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>MR200187 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CACCCGTCCCGTTATCTCCGCTTGCTTGGCATTCTTGATCCTCTTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200187 protein sequence

Red=Cloning site Green=Tags(s)

MAASRALSLTAEAVRAVIPRRSGRLLTRWETTSSIPEAGEGQIRLTDSCVQVGGRTRGGGAQEGSRRLPS

HPSRYLRLLGILDPLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



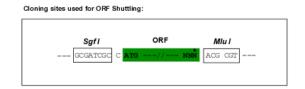
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

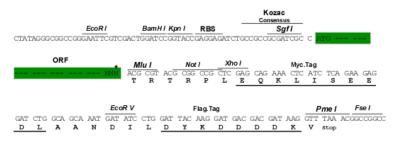
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: BC022589

ORF Size:

OTI Disclaimer: The molecular sequence of this

258 bp

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: <u>BC022589</u>, <u>AAH22589</u>

RefSeq Size: 1614 bp RefSeq ORF: 260 bp



 Locus ID:
 74316

 Cytogenetics:
 12 D1

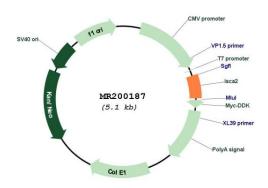
 MW:
 9.2 kDa

Gene Summary: Involved in the maturation of mitochondrial 4Fe-4S proteins functioning late in the iron-sulfur

cluster assembly pathway. May be involved in the binding of an intermediate of Fe/S cluster

assembly.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200187