OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC218510

Kars (BC027356) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kars (BC027356) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kars
Synonyms:	AA589550; AL024334; AL033315; AL033367; D8Ertd698e; D8Wsu108e; LysRS; mKIAA0070
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

Fully Sequenced ORF:

>BC027356
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTGATGCAAGCTGCTGTCAGGCTTGTTAGGGGGGCCCTGCGCCAAACCTCATGGGCAGAATGGGGTC
AGAGGGAACTTCGACTGGGCCACCTTGCTCCTTTCACAACGCTCCACAAGGACCAGCCACTTTCTGATAG
AAGAAGTGAGCTGAAGAGGCGTCTGAAAGCTGAGAAGAAACTGGCAGAGAAGGAGGCCAAGCAGAAAGAG
CTGAGTGAGAAACAGCTAAACCAGACTGCTTCCGCTCCCAACCACACGGCTGACAATGGCGTGGGTGCTG
AGGAGGAGACTCTGGACCCAAATCAATACTACAAGATCCGAAGTCAAGCCGTCCAGCAGCTGAAGGTCAC
TGGGGAGGATCCGTACCCACACAAGTTCCACGTGGACATCTCACTCACTCAGTTCATCCAAGAATATAGT
CACCTGCAGCCTGGGGACCACCTGACTGATGTCACCCTCAAAGTGGCAGGCCGCATCCACGCCAAGAGGG
CCTCTGGAGGGAAGCTCATCTTCTATGACCTGCGAGGAGAGGGGGTCAAGTTACAAGTCATGGCCAACTC
CAGGAATTACAAATCAGAGGAGGAATTTGTTCATATCAATAACAAACTGCGCCGGGGAGACATAATTGGA
GTTGAGGGCAATCCCGGGAAAACCAAGAAGGGCGAGCTGAGCATCATCCCCCAGGAGATCACGCTGCTGT
CCCCCTGCTTGCACATGCTGCCTCATCTTCACTTTGGCCTCAAAGACAAGGAAACACGGTATCGTCAAAG
ATACTTGGACTTGATCCTGAACGACTTTGTGAGGCAGAAATTTATCGTCCGCTCTAAGATCATCACATAC
ATAAGAAGTTTCTTGGATGAGCTGGGCTTCCTAGAGATCGAAACTCCCATGATGAACATCATTCCCGGGG
GAGCTGTGGCCAAGCCTTTCATCACCTATCACAATGAGCTGGACATGAACTTGTATATGAGAATTGCTCC
AGAACTCTACCACAAGATGCTGGTGGTTGGTGGCATTGACCGGGTTTATGAAATTGGGCGCCAGTTCCGG
AACGAAGGGATTGATTTGACTCACAATCCTGAGTTCACCACCTGTGAGTTCTACATGGCCTATGCAGACT
ATCATGACCTCATGGAGATCACAGAGAAGATGCTGTCAGGGATGGTGAAGAGCATTACAGGCAGTTACAA
GATCACCTACCACCCAGATGGGCCGGAAGGCCAAGCCTACGAGGTCGACTTCACCCCACCCTTCCGAAGA
ATCAGCATGGTAGAAGAGCTTGAGAAAGCCCTAGGTGTGAAGCTGCCAGAAACCAGTCTCTTTGAAACTG
AAGAAACTCGGAAAATTCTTGATGATATTTGTGTTGCAAAAGCTGTTGAATGCCCCCCACCTCGGACCAC
AGCCAGGCTCCTTGATAAGCTCGTTGGCGAGTTCCTCGAAGTCACATGCATCAGCCCTACCTTCATCTGT
GATCACCCACAGATCATGAGTCCTTTGGCCAAATGGCACCGCTCCAAAGAGGGTCTCACGGAGCGCTTTG
AGCTGTTTGTCATGAAGAAGGAGATATGCAATGCCTATACTGAGCTGAATGACCCCGTGCGGCAGAGGCA
GCTGTTTGAGGAGCAGGCCAAGGCCAAGGCTGCCGGTGATGACGAGGCCATGTTCATAGACGAGAACTTC
TGTACTGCCCTGGAATACGGGCTGCCTCCCACAGCGGGCTGGGGCATGGGCATTGATCGGCTCACCATGT
TTCTCACCGATTCCAACAATATCAAGGAAGTACTTCTGTTTCCTGCCATGAAGCCAGAGGACAAGAAGGA
AACTGCAGCGACCACTGAAACCCCAGAGAGCACAGAGGCCAGCCCCTCTGTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC027356

Insert Size: 1875 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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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:	BC027356, AAH27356
RefSeq Size:	2205 bp
RefSeq ORF:	1874 bp
Locus ID:	85305
Cytogenetics:	8 58.27 cM
Gene Summary:	Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA. When secreted, acts as a signaling molecule that induces immune response through the activation of monocyte/macrophages. Catalyzes the synthesis of the signaling molecule diadenosine tetraphosphate (Ap4A), and thereby mediates disruption of the complex between HINT1 and MITF and the concomitant activation of MITF transcriptional activity.[UniProtKB/Swiss-Prot Function]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US