

Product datasheet for **RR212019**

lah1 (NM_001100540) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: lah1 (NM_001100540) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: lah1
Synonyms: Harpb64
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212019 representing NM_001100540
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCGCTGTGCGAGCTTGGCGGAGCGGGAGCTCTCTGCTCTGGCCTCGCGTGTGCTCTTTGGGGACT
CCATCACGCAGTTTTCTTCCAGCAGGGTGGATGGGGCACATTGCTGGCTGACAGACTAGTCAGGAAGTG
TGACGTCCTGAATCGTGGATTTTCAGGTTACAACACCAGATGGGCCAAGATTATCCTTCCAAGAATAATC
AGGAAAGGGGCTGGTTTGAAAACCCAGTGGCGGTTACAATATCTTTGGTGCCAATGACTCTACACTCA
AAGATGAGAACCCTAAGCAGCATGTCCCTTGGATGAGTACAGTGCAAACCTGAGGGACATGGTACAGTA
CCTGAGGTCTGTGGACATCCCAAGGAGCGAGTGATTCTTATCACACCACCCCTCTCTGTGAAGCGGCC
TGGGAGAAGGAGTGCATCCTGAAGGGTTGCAAATTGAACCGCCTGAACGTTGCTGTGGAGAATATGCTA
AGGCATGTTTACAAGTAGCCAGAGACTGTGGGACTGATGTCTTGACCTGTGGACCCTGATGCAGAAGGA
CAACCAGGACTTCTCGTCTACTTATCAGACGGCCTGCATTTATCCCACTGGGGAATGAGTTTCTGTTC
TTCCACCTCTGGCCACTGCTGGACAAGAAGTCTCCTCCCTGCCACGTCTGCTTCTGACTGGAAGGATG
TGGAGAAACAAAGCCTGAGCTGAGCCTGCTGGGAGACGGAGACCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212019 representing NM_001100540
Red=Cloning site Green=Tags(s)

MSLCELAASGSSLLWPRVLLFGDSITQFSFQGGWGTLLADRLVRKCDVLNRGFSGYNTRWAKIILPRII
 RKGAGLENPVAVTIFFGANDSTLKDENPKQHVPLDEYSANLRDMVQYLRSDIPKERVILITPPPLCEAA
 WEKECILKGGKLNRLNVAVGEYAKACLQVARDCGTDVLDLWTLMQKDNQDFSSYLSDGLHLSPLNGEFLF
 FHLWPLLDKKVSSLPRLLPDWKDVVEETKPELSLLGDGDH

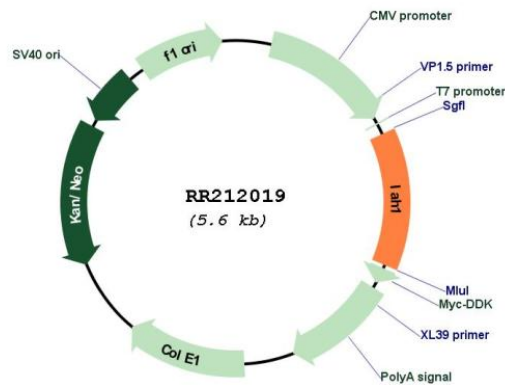
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100540
ORF Size: 747 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:	<ol style="list-style-type: none">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_001100540.1 , NP_001094010.1
RefSeq Size:	1036 bp
RefSeq ORF:	750 bp
Locus ID:	298917
UniProt ID:	Q711G3
Cytogenetics:	6q16
MW:	28 kDa
Gene Summary:	Probable lipase.[UniProtKB/Swiss-Prot Function]