

## Product datasheet for MR215998

### Khdrbs2 (NM\_133235) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Khdrbs2 (NM_133235) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Khdrbs2
Synonyms:	6330586C16Rik; mSLM-1; Slim1; SLM; SIm-1; SIm1; Tg(LRRK2*R1441G)135Cjli; TG-RP135
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215998 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGGGAGAAGAGAAATACTTGCCTGAGCTGATGGCAGAGAAGGATAGCCTGGATCCATCTTTGTGCACG  
CGTCGCGCCTTCTGGCGGAAGAAATTGAGAAATTTCAAGGTTCCAGATGGGAAAAAGGAAGATGAAGAAAA  
GAAATATCTCGATGTCATCAGCAACAAAAACATAAAGCTCTGAAAGAGTATTGATTCCTGTGAAACAG  
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AAACGGGTGCTAAAATGTCTATCCTGGGCAAAGGTCCATGCGAGATAAGACAAAGGAAGAAGAGCTGAG  
GAAGAGTGGGGAGGCCAAGTATGCCACCTGAGTGATGAGCTGCATGTATTAATTGAAGTGTTCCTCA  
CCCGGGGAAGCTTATTCACGGATGAGTCATGCCTTGAAGAGATTAATAAATTCCTGTTCTGACTACA  
ATGATGAAATTCGTCAAGAGCAACTCCGGGAGTTGTCTTACTTGAATGGCTCAGAAGAGTCTGGCCGGGG  
CCGAGGTATTAGAGGCAGAGGGATCAGAATAACTCCCACAGCTCCATCAAGGGGCGGTGGCGGTGCTGTT  
CCACCACCACCACCTGGACGAGGTGTGCTTACCCCTCGGGGGACCACTGTGACCCGTGGAGCTCTTC  
CAGTGGCCCCAATAGCAAGAGGTGTCCCACACCTCGAGCCCGGGGACGGCAGCAGTACCAGGATACAG  
AGCACCACCACTCCAGCTCATGATGCTTATGAAGAATATGGGTATGATGATGGCTATGGGGTGAATAT  
GATGACCAGACCTATGAGGCTTATGATAATAGCTACGTGACCCCAACAAAGTGTGCCTGAATACTATG  
ACTACGGTCATGGAGTAAACGAGGATCCCTACGACAGCTACGCACCAGAAGAATGGGCCCAACTCGCTC  
CAGCCTGAAGGCACCACCACCAAGGTCAGCCAGAGGGGATACAGGGAGCACCCCTATGGTAGATAT

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR215998 protein sequence  
Red=Cloning site Green=Tags(s)

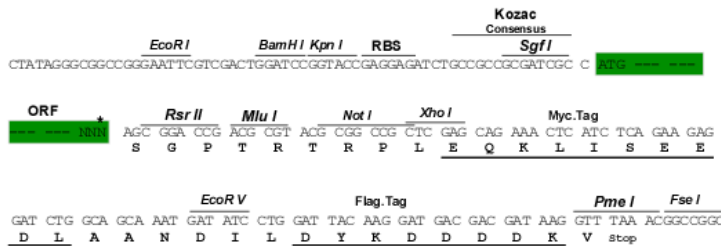
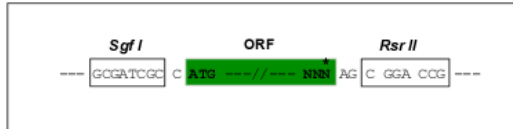
MGEEKYLPPELMAEKDSLDPFVHASRLLAEEIEKFQGS DGKKEDEEKYLDVISNKNIKLSERVLIPVKQ  
 YPKFNFV GKLLGPRGNSLKRLQEETGAKMSILGKGSMDKTKEEELRKSGEAKYAHLSDDELHVLIEVFAP  
 PGEAYSRMSHALEEIKKFLVPDYND EIRQEQLRELSYLN GSEESGRGRGIRGRGIRITPTAPSRGRGGAV  
 P P P P P P G R G V L T P R G T T V T R G A L P V P P I A R G V P T P R A R G T A A V P G Y R A P P P P A H D A Y E E Y G Y D D G Y G G E Y  
 D D Q T Y E A Y D N S Y V T P T Q S V P E Y D Y G H V N E D A Y D S Y A P E E W A T T R S S L K A P P P R S A R G G Y R E H P Y G R Y

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_133235

**ORF Size:** 1050 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\\_133235.3](#)

**RefSeq Size:** 1363 bp

**RefSeq ORF:** 1050 bp

**Locus ID:** 170771

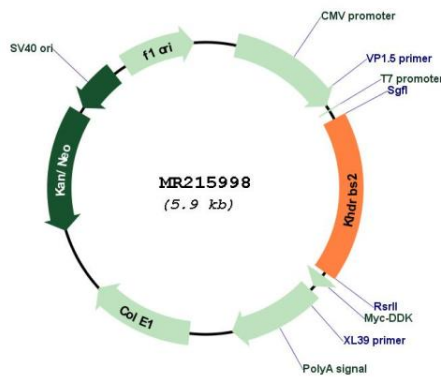
**UniProt ID:** [Q9WU01](#)

**Cytogenetics:** 1 B

**MW:** 38.9 kDa

**Gene Summary:** The protein encoded by this gene is similar to the src associated in mitosis, 68 kDa protein, which is an RNA-binding protein and a substrate for Src-family tyrosine kinases during mitosis. This protein has a KH RNA-binding motif and proline-rich motifs which may be SH2 and SH3 domain binding sites. A similar rat protein is an RNA-binding protein which is tyrosine phosphorylated by Src during mitosis. These studies also suggest that the rat protein may function as an adaptor protein for Src by binding the SH2 and SH3 domains of various other proteins. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for MR215998