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Product datasheet for MG215998

Khdrbs2 (NM_133235) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Khdrbs2 (NM_133235) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Khdrbs2
Synonyms:	6330586C16Rik; mSLM-1; Slim1; SLM; Slm-1; Slm1; Tg(LRRK2*R1441G)135Cjli; TG-RP135
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG215998 representing NM_133235
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGAAGAGAAATACTTGCCTGAGCTGATGGCAGAGAAGGATAGCCTGGATCCATCTTTTGTGCACG
CGTCGCGCCTTCTGGCGGAAGAAATTGAGAAATTTCAAGGTTCAGATGGGAAAAAGGAAGATGAAGAAAA
GAAATATCTCGATGTCATCAGCAACAAAAACATAAAGCTCTCTGAAAGAGTATTGATTCCTGTGAAACAG
TATCCAAAGTTCAATTTTGTGGGGAAATTGCTTGGACCAAGAGGAAACTCCTTGAAGAGGCTACAAGAAG
AAACGGGTGCTAAAATGTCTATCCTGGGCAAAGGGTCCATGCGAGATAAGACAAAGGAAGAAGAGCTGAG
GAAGAGTGGGGAGGCCAAGTATGCCCACCTGAGTGATGAGCTGCATGTATTAATTGAAGTGTTTGCTCCA
CCCGGGGAAGCTTATTCACGGATGAGTCATGCCTTGGAAGAGATTAAAAAATTCCTGGTTCCTGACTACA
ATGATGAAATTCGTCAAGAGCAACTCCGGGAGTTGTCTTACTTGAATGGCTCAGAAGAGTCTGGCCGGGG
CCGAGGTATTAGAGGCAGAGGGATCAGAATAACTCCCACAGCTCCATCAAGGGGCCGTGGCGGTGCTGTT
CCACCACCACCACCACCTGGACGAGGTGTGCTTACCCCTCGGGGGACCACTGTGACCCGTGGAGCTCTTC
CAGTGCCCCCAATAGCAAGAGGTGTCCCCACACCTCGAGCCCGGGGGACGGCAGCAGTACCAGGATACAG
AGCACCCCCACCTCCAGCTCATGATGCTTATGAAGAATATGGGTATGATGATGGCTATGGGGGTGAATAT
GATGACCAGACCTATGAGGCTTATGATAATAGCTACGTGACCCCAACACAAAGTGTGCCTGAATACTATG
ACTACGGTCATGGAGTAAACGAGGATGCCTACGACAGCTACGCACCAGAAGAATGGGCCACAACTCGCTC
CAGCCTGAAGGCACCACCACCAAGGTCAGCCAGAGGGGGATACAGGGAGCACCCCTATGGTAGATAT

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

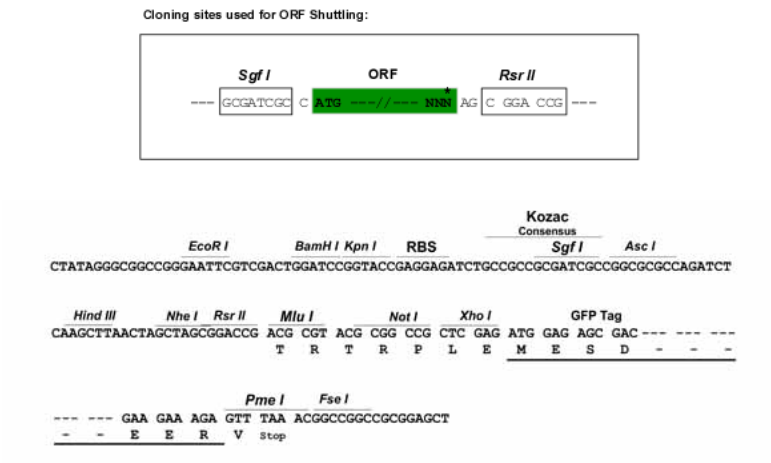
>MG215998 representing NM_133235
Red=Cloning site Green=Tags(s)

MGEEKYLPELMAEKDSLDPSFVHASRLLAEEIEKFQGSDGKKEDEEKKYLDVISNKNIKLSERVLIPVKQ
YPKFNFVGKLLGPRGNSLKRLQEETGAKMSILGKGSMRDKTKEEELRKSGEAKYAHLSDELHVLIEVFAP
PGEAYSRMSHALEEIKKFLVPDYNDEIRQEQLRELSYLNGSEESGRGRGIRGRGIRITPTAPSRGRGGAV
PPPPPPGRGVLTPRGTTVTRGALPVPPIARGVPTPRARGTAAVPGYRAPPPPAHDAYEEYGYDDGYGGEY
DDQTYEAYDNSYVTPTQSVPEYYDYGHGVNEDAYDSYAPEEWATTRSSLKAPPPRSARGGYREHPYGRY

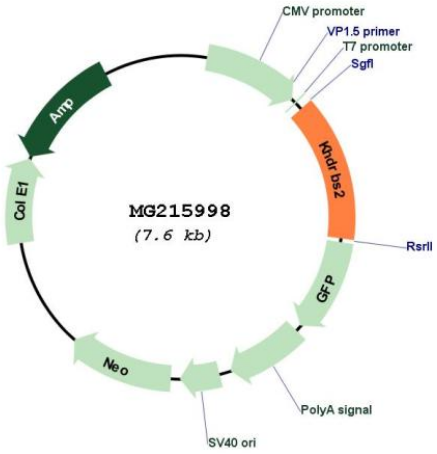
SGPTRTRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_133235

ORF Size: 1047 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
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]