

## Product datasheet for SC100752

### KHDRBS2 (NM\_152688) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KHDRBS2 (NM_152688) Human Untagged Clone
Tag:	Tag Free
Symbol:	KHDRBS2
Synonyms:	SLM-1; SLM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100752 sequence for NM_152688 edited (data generated by NextGen Sequencing)

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ATGGAAGAGGAGAAATATTTGCCTGAGCTGATGGCAGAGAAAGATAGCCTGGATCCATCT
TTTGTGCATGCGTCGCGCCTTTTGGCAGAAGAAATTGAAAAGTTTCAAGTTCTGATGGA
AAAAAGGAAGACGAAGAAAAGAAGTATCTTGATGTCATCAGCAACAAAAACATAAAGCTC
TCAGAAAGAGTACTGATTCTGTCAAGCAGTATCCAAAGTTCAATTTTGTGGGAAATTG
CTTGGACCAAGAGGAACTCCTTGAAGAGGCTACAGGAAGAAACAGGTGCTAAAAATGTCT
ATCCTGGGCAAAGGATCAATGAGAGATAAAGCTAAGGAAGAAGAACTAAGGAAGAGTGGG
GAAGCCAAATATGCCACTTGAGTGATGAGCTTCATGTATTAATTGAAGTGTGGCTCCA
CCTGGGGAAGCTTATTCACGTATGAGTCATGCATTGGAAGAGATTAATAAATTCCTGGTT
CCTGACTACAATGATGAAATTCGTCAGGAACAACACTACGTGAATTATCTTACTTAAATGGC
TCAGAGGACTCTGGTCGTGGCAGAGGTATTAGAGGCAGAGGGATCAGAATAGCTCCCACA
GCTCCTTCAAGGGGCCGTGGGGGTGCCATTCTCTCCCCACCACCTGGACGAGGTGTT
CTCACCCCTCGGGGAAGCACTGTAACCCGTGGAGCGCTTCCAGTGCCACCTGTAGCAAGA
GGTGTCCCTACCCCTCGAGCCCGGGGGCACCACAGTGCCAGGATACAGGGCACCTCCT
CCTCCAGCCCATGAAGCTTATGAAGAATATGGTTATGATGATGGCTACGGGGTGAATAT
GATGACCAGACCTATGAGACTTATGATAACAGCTATGCGACCCAAACACAAAGTGTGCCT
GAATACTATGACTACGGTCATGGAGTAAGTGAGGATGCCTATGACAGCTACGCACCAGAA
GAATGGGCCACAACCCGCTCTAGCTTGAAGGCACCACCGCAGAGGTGTCAGCCAGAGGGGA
TACAGGGAACACCCTATGGTAGATATTGA

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Clone variation with respect to NM\_152688.2  
1002 a=>g



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_152688 unedited</p> <pre>NNGGGATGTTCAAATTTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGGC CGAGCGAGGGACGACNGAAGGACGGGCAGGTGTGGGCGCGGGGCCACGCAGCCCGACGG CGGGAGTCGCAGGTGCTGGGTGCATGGGCCAGTGAGGACGCACAGAGATCCCTCGCCGCG CGGAGGAGGAGCAGCGCGGGAGCCAGGCCTGCCCAAGACCCCTGCCTGCGTCCGAGCGA GCGGAACCTCGCGCTTCGCCCCGGGGACAATCCGAAGTCCGCGCTATGGAAGAGGAGAAAT ATTTGCCTGAGCTGATGGCAGAGAAAGATAGCCTGGATCCATCTTTTGTGCATGCGTCGC GCCTTTTGGCAGAAGAAATTGAAAAGTTTCAAGTTCTGATGGAAAAAGGAAGACGAAG AAAAGAAGTATCTTGATGTCATCAGCAACAAAAACATAAAGCTCTCAGAAAGAGTACTGA TTCCTGTCAAGCAGTATCCAAGTTCAATTTTGTGGGAAATTGCTTGGACCAAGAGGAA ACTCCTTGAAGAGGCTACAGGAAGAAACAGGTGCTAAAATGTCTATCCTGGGCAAAGGAT CAATGAGAGATAAAGCTAAGGAAGAAGAACTAAGGAAGAGTGGGAAGCCAAATATGCC ACTTGAGTGATGAGCTTCATGTATTAATTGAAGTGTGGTCCACCTGNGGAAGCTTATT CACGTATGAGTCATGCATTGAAAGAGATAAAAAATCCTGGTTCCTGACTACCATGATG AAATTCGTGAGGAACTACGTAATTATCTTACTTAAATGGCTCANAGACTCTGGGTC GTGGGCAGAGGATTANAGGCANNAGGGATCANAATAGCTTCCACAGCTCCTTCAGGGGG CGTGTGGGGGTGCCATTTCTTCTCC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_152688 unedited</p> <pre>AAATCTAGNACCGCGCCGATTCTANNGATCGTTTTTTTTTTTTTTTTTTTCAAATCTC AAATCAGAGTGTTTATTATTTACAAGGCATCTTTATTGTTTCCAAGGAAAACCCTGATAC CAATTAATAATGGGGGAGAGAGGAGGCAGATATATATATTCACCACAAAATTCACAGACA ATCTGCAAACTCACAGAGTCAGAAAATTTGAGTGGAGTTTAGGAGATTTGGCCCTGCTG AGATTATGTCCAGTAAATCCTCACATAATGTCATTGATAGTTCTTGAAACTGTGACCT TCTGCTGACTTGTGAGTCCAGTGTTCCTTTGACTTCAGCTTCCAGAAGAGCAGAGTGGG TTTGGTTATCTTGCTCACAGTGCCAAAAATGAACGGGCCAAGGGAAATCTTCCCTTTTGC CCTTCCCCTTCAAAGTTTTGCTGAAAAATAAAATCTGTTAGGCTCTGTGTGAGGCTTGG ATCTGTAGTGGTGGGTGAGTTGAGATGAAGAAAATCTCCATCCTTCTTAGCAATCACA TCGGTTATTCAATTATGTGTTCTTTGTTTGTGGTACTTGTCTTGTGCTGTTTATGTGG AGACCACAGGCTATGAATTGTCTTTGAGGTGAGGTCACAGGTGGGAAGGACCTTCAATAT CTACCATAGGGGTGTTCCCTGTATCCCCCTCTGGCTGACCTCTGCNGTGGTGCCTTCAAG CTAGAGCGGGTTGTGGCCATTCTTCTGGTGCAGTGCATAGCATCCTCACTTACT CCATGACCGTAGTCATAGTATTCAGGCACACTTTGTGTTTTGGTGCATAGCTGTTATC ATAAGTCTCATAAGTCTGGTCATCATATACACCCCGTAGCCATCATATAACCATATTC TTATAAGCCTCATGGGCTGGAGAAAGAAGTGCCCGGATAC</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_152688
<b>Insert Size:</b>	2000 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_152688.1</a></u> , <u><a href="#">NP_689901.1</a></u>
<b>RefSeq Size:</b>	2366 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	202559
<b>UniProt ID:</b>	<u><a href="#">Q5VWX1</a></u>
<b>Cytogenetics:</b>	6q11.1
<b>Domains:</b>	KH
<b>Gene Summary:</b>	<p>RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. Binds both poly(A) and poly(U) homopolymers. Phosphorylation by PTK6 inhibits its RNA-binding ability (By similarity). Induces an increased concentration-dependent incorporation of exon in CD44 pre-mRNA by direct binding to purine-rich exonic enhancer. Can regulate alternative splicing of NRXN1 in the laminin G-like domain 6 containing the evolutionary conserved neurexin alternative spliced segment 4 (AS4) involved in neurexin selective targeting to postsynaptic partners. Regulates cell-type specific alternative splicing of NRXN1 at AS4 and acts synergistically with SAM68 in exon skipping. In contrast acts antagonistically with SAM68 in NRXN3 exon skipping at AS4. Its phosphorylation by FYN inhibits its ability to regulate splice site selection. May function as an adapter protein for Src kinases during mitosis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>