

Product datasheet for **SC320122**

KHDRBS3 (NM_006558) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KHDRBS3 (NM_006558) Human Untagged Clone
Tag:	Tag Free
Symbol:	KHDRBS3
Synonyms:	Etle; etoile; SALP; SLM-2; SLM2; T-STAR; TSTAR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_006558.1
 GGTGCGCGGGGCGCGCGCGCTGCAGGTCGACGCTGTGGCTCGGGTGGCAGGTGC
 TGGCGGGACTGGCGGGGATCGCCGTGGACTGCCTCAGGGGCGCCGAGCCCGCTCGGCC
 GAGGGCCCGCCTAACCGCGCCGCCCGCGCCGCTCCTCCTCCCGTGCGCCTGGAGTCCA
 CATCCCGGGCCCGCGCGCCGCGAGCATGGAGGAGAAGTACCTGCCGGAGCTGATGGCGG
 AGAAGGACTCCCTGGACCCTCCTTACGCACGCCCTGCGCCTGGTGAACCAAGAATAG
 AAAAGTTTCAAAAAGGAGAAGGCAAGGAAGAAAAGTACATCGATGTGGTGATTAATAAGA
 ACATGAAGCTGGGACAGAAAGTGTAAATCCCGTAAAACAGTTCCTAAGTTCAACTTTG
 TGGGAAACTTTTGGGTCCACGTGGCAATTCTCTGAAGCGTTTACAAGAAGAAACCTTGA
 CAAAAATGTCCATCCTTGGGAAAGGTTCCATGAGAGACAAGGCCAAGGAAGAAGATTGA
 GGAAAAGTGGAGAAGCGAAGTACTTCCATCTCAATGATGATCTCCATGTTCTCATTGAAG
 TGTTCGCCACCTGCAGAAGCTTATGCCAGGATGGGACATGCTTTGGAAGAAATCAAAA
 AGTTCCATCCCTGATTATAATGATGAGATCAGGCAAGCACAGCTCCAGGAGTTAACAT
 ATTTGAATGGTGGTTCAGAAAATGCAGATGTTCCAGTGGTTCGAGGAAACCCACCTTGC
 GTACAAGAGGTGTACCAGCCCAGCAATAACCAGGGGAAGGGGAGGAGTTACAGCCCGGC
 CAGTTGGAGTTGTAGTACCAGGGACCCAACCTCCAGAGGAGTCTGTCCACCCGAG
 GGCCAGTGAGTCGGGGAAGAGGACTTCTCACTCCAGAGCAAGAGGAGTCCCCCAACTG
 GGTACAGACCTCCACCGCACCCCGACACAAGAGACTTATGGAGAATATGACTATGATG
 ATGGATATGGCACTGCTTATGATGAACAGAGTTATGATTCCTATGATAACAGCTATAGCA
 CCCCAGCCCAAAGTGGTCTGATTACTATGATTACGGACATGGACTCAGTGAGGAGACTT
 ATGATTCCTACGGCAAGAAGAGTGGACTAACTCAAGACACAAGGCACCTTCAGCGAGGA
 CAGCAAAGGGCGTCTACAGAGACCAGCCATATGGCAGATACTGATTGTACTGTCTGATGT
 TGTGAAATAGCCAATCTCACCAGTCTGTATACTGTTCAAAGTAATTTTTTTCTATGAA
 CAATCCCTTTTTAAATAAATCAAAATGCTTAAATCTGAATGGATGGAACCTTAAACTAC
 TTTGTTGAAACATCAACCTGGGCAGAAAAAAAAAAAAAAAAAGACATGTAAAATTTTGT
 TATTTCCAGTCTGTATATGAAAAATAGGTCATCAAAAGGAAAAAAAAATACTTTGATTA
 ACTAGTGTAAACAAAAATAGGTTTACTAAATATGTTAATCTATTCTTTAACATAAGC
 CTCACCTTTCATTTAAAGGTTTCCATAGAATTTAGTTATTTTATCTTTCAGCCATATGC
 TAGTTTTTTTTCTTTGCCAACATGCGTAAAAAGGGAAGCCAATTACAAGTGCAATAA
 TGTGGTATTCTTTGTAAGTCAAGTCTTGAATGTTCTGTAGTGTAAAGCAAAGTCTCCT
 CTTGCTTGATACTAAATAAACTTTTGAAGAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_006558

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_006558.1](#), [NP_006549.1](#)

RefSeq Size: 1963 bp

RefSeq ORF: 1041 bp

Locus ID: 10656

UniProt ID: [O75525](#)

Cytogenetics: 8q24.23

Domains: KH

Gene Summary: RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. Binds preferentially to the 5'-[AU]UAAA-3' motif in vitro. Binds optimally to RNA containing 5'-[AU]UAA-3' as a bipartite motif spaced by more than 15 nucleotides. Binds poly(A). RNA-binding abilities are down-regulated by tyrosine kinase PTK6 (PubMed:10564820, PubMed:19561594, PubMed:26758068). Involved in splice site selection of vascular endothelial growth factor (PubMed:15901763). In vitro regulates CD44 alternative splicing by direct binding to purine-rich exonic enhancer (By similarity). Can regulate alternative splicing of neurexins NRXN1-3 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 such as neuroligins and LRRTM family members (PubMed:26758068). Targeted, cell-type specific splicing regulation of NRXN1 at AS4 is involved in neuronal glutamatergic synapse function and plasticity (By similarity). May regulate expression of KHDRBS2/SLIM-1 in defined brain neuron populations by modifying its alternative splicing (By similarity). Can bind FABP9 mRNA (By similarity). May play a role as a negative regulator of cell growth. Inhibits cell proliferation.[UniProtKB/Swiss-Prot Function]