

**KHDRBS2 Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP20541b****Specification**

---

**KHDRBS2 Blocking Peptide (C-term) - Product Information**Primary Accession [Q5VWX1](#)**KHDRBS2 Blocking Peptide (C-term) - Additional Information****Gene ID** 202559**Other Names**

KH domain-containing, RNA-binding, signal transduction-associated protein 2, Sam68-like mammalian protein 1, SLM-1, hSLM-1, KHDRBS2, SLM1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 308-321 of Human KHDRBS2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**KHDRBS2 Blocking Peptide (C-term) - Protein Information****Name** KHDRBS2**Synonyms** SLM1**Function**

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.

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:Q9WU01}.

**Tissue Location**

Highly expressed in brain, lung, kidney and small intestine. Weakly expressed in placenta, liver, spleen, thymus, ovary and colon.

**KHDRBS2 Blocking Peptide (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**KHDRBS2 Blocking Peptide (C-term) - Images****KHDRBS2 Blocking Peptide (C-term) - Background**

RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. Its phosphorylation by FYN inhibits its ability to regulate splice site selection. Induces an increased concentration-dependent incorporation of exon in CD44 pre-mRNA by direct binding to purine-rich exonic enhancer. May function as an adapter protein for Src kinases during mitosis. Binds both poly(A) and poly(U) homopolymers. Phosphorylation by PTK6 inhibits its RNA-binding ability (By similarity).

**KHDRBS2 Blocking Peptide (C-term) - References**

Wang L., et al. Mol. Biol. Rep. 29:369-375(2002).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Mungall A.J., et al. Nature 425:805-811(2003).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Cote J., et al. Mol. Biol. Cell 14:274-287(2003).