

Product datasheet for PH305428

KHDRBS2 (NM_152688) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KHDRBS2 MS Standard C13 and N15-labeled recombinant protein (NP_689901)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205428
Predicted MW:	38.9 kDa
Protein Sequence:	>RC205428 protein sequence Red=Cloning site Green=Tags(s)

MEEEKYLPPELMAEKDSLDPFVHASRLLAEEIEKFQSGDGKKEDEEKYLDVISNKNIKLSERVLIPVKQ
YPKFNFGKLLGPRGNSLKRLQEETGAKMSILGKGSMDKAKEEELRKSGEAKY AHL SDELHVLIEVFAP
PGEAYSRMSHALEEIKKFLVPDYNDIEIRQEQLRELSYLNSEDSGRGRGIRGRGIRIAPTAPSRGRGGAI
PPPPPPGRGVLTPRGSTVTRGALPVPPVARGVPTPRARGAPTVPGYRAPPPEAHEAYEEYGYDDGYGGEY
DDQTYETYDNSYATQTQSVPEYYDYGHGVEDAYDSYAPEEWATSSSLKAPPQRSARGGYREHPYGRY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_689901</u>
RefSeq Size:	2336
RefSeq ORF:	1047
Synonyms:	SLM-1; SLM1
Locus ID:	202559



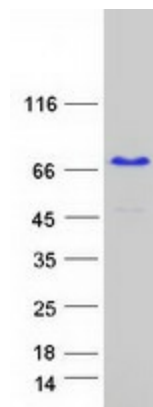
[View online »](#)

UniProt ID: [Q5VWX1](#)

Cytogenetics: 6q11.1

Summary: 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]

Product images:



Coomassie blue staining of purified KHDRBS2 protein (Cat# [TP305428]). The protein was produced from HEK293T cells transfected with KHDRBS2 cDNA clone (Cat# [RC205428]) using MegaTran 2.0 (Cat# [TT210002]).