

Recombinant Human RBM5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RBM5-3577H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RBM5 MS Standard C13 and N15-labeled recombinant protein (NP_005769) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is a candidate tumor suppressor gene which encodes a nuclear RNA binding protein that is a component of the spliceosome A complex. The encoded protein plays a role in the induction of cell cycle arrest and apoptosis through pre-mRNA splicing of multiple target genes including the tumor suppressor protein p53. This gene is located within the tumor suppressor region 3p21.3, and may play a role in the inhibition of tumor transformation and progression of several malignancies including lung cancer.
Molecular Mass	92 kDa
AA Sequence	MGSDKRVSRTERSGRYGSIIDRRDRERESRSRRRDSYKRSSDDRRGDRYDDYR DYDSPERERERRNSDRSEDGYHSDGDYGEHDYRHDISDERESKTI MLRGLPITITES DIREMMESFEGPQPADVRLMKRKTGVSRGFAFVEFYHLQDATSWMEANQKKLVIQ GKHIAMHYSNPRPKFEDWLCNKCC LNNFRKRLKCFRCGADKFDSEQEVPPGTTES VQSVDYCYCDTIILRNIA PHTVVD SIMTALSPYASLAVNNIRLIKDKQTQQNRGFAFVQL SSAMDASQLLQILQSLHPPLKIDGKTIGVDFAKSARKDLVLSDGNRVSAFSVASTAIA

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AAQWSSTQSQSGEGGSVDYSYLQPGQDGYAQYASQDYQQFYQQQAGGLESD
 ASSASGTAVTTTSAAVVSQSPQLYNQTSNPPGSPTEEAQPSTSTSTQAPAASPTGV
 VPGTKYAVPDTSTYQYDESSGYYYDPTTGLYYDPNSQYYYNSLTQQYLYWDGEKE
 TYVPAAESSHQQSGLPPEKEKEKEPKSKTAQQIAKDMERWAKSLNKQKENF
 KNSFQPVNSLREEERRESAAADAGFALFEKKGALAERQQLIPELVRNGDEENPLKR
 GLVAAYSGDSDNEEELVERLESEEEKLADWKKMACLLCRRQFPNKDALVRHQQLS
 DLHKQNMDIYRRSRLSEQUELEALELREREMKYRDRAAERREKYGIPEPPEPKRKKQ
 FDAGTVNYEQPTKDGIDHSNIGNKMLQAMGWREGSGLGRKCQGITAIEAQVRLKG
 AGLGAKGSAYGLSGADSYKDAVRKAMFARFTEMESGPTRTRRLEQKLISEEDLAAN
 DILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name RBM5 RNA binding motif protein 5 [Homo sapiens (human)]

Official Symbol RBM5

Synonyms RBM5; RNA binding motif protein 5; RNA-binding protein 5; H37; LUCA15; putative tumor suppressor LUCA15; renal carcinoma antigen NY-REN-9; G15; RMB5; FLJ39876;

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Gene ID	10181
mRNA Refseq	NM_005778
Protein Refseq	NP_005769
MIM	606884
UniProt ID	P52756
SDS-PAGE	