

OriGene Technologies, Inc.

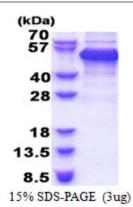
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AR51271PU-S Human RBM17 / SPF45 (1-401, His-tag) - Purified

Alternate names:	45 kDa-splicing factor, RNA-binding motif protein 17, Splicing factor 45
Quantity:	50 µg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	RNA binding motif protein 17, also known as RBM17, is splice factor that binds to the single stranded 3'AG at the exon/intron border and promotes its utilization in the second catalytic step. This protein is involved in the regulation of alternative splicing and the utilization of cryptic splice sites. This protein promotes the utilization of a cryptic splice site created by the beta-110 mutation in the HBB gene. The resulting frameshift leads to sickle cell anemia.
Uniprot ID:	<u>Q96I25</u>
NCBI:	<u>NP_116294</u>
GenelD:	<u>84991</u>
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Description:	Recombinant human RBM17 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MSLYDDLGVE TSDSKTEGWS KNFKLLQSQL QVKKAALTQA KSQRTKQSTV LAPVIDLKRG GSSDDRQIVD TPPHVAAGLK DPVPSGFSAG EVLIPLADEY DPMFPNDYEK VVKRQREERQ RQRELERQKE IEEREKRRKD RHEASGFARR PDPDSDEDED YERERRKRSM GGAAIAPPTS LVEKDKELPR DFPYEEDSRP RSQSSKAAIP PPVYEEQDRP RSPTGPSNSF LANMGGTVAH KIMQKYGFRE GQGLGKHEQG LSTALSVEKT SKRGGKIIVG DATEKDASKK SDSNPLTEIL KCPTKVVLLR NMVGAGEVDE DLEVETKEEC EKYGKVGKCV IFEIPGAPDD EAVRIFLEFE RVESAIKAVV DLNGRYFGGR VVKACFYNLD KFRVLDLAEQ V Molecular weight: 47.1 kDa (421aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Lallena M.J., et al. (2002) Cell. 109:285-296 Carrascal M., et al. (2008) J. Proteome Res. 7:5167-5176

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