

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:[Q96125](#)**NCBI:**[NP_116294](#)**GeneID:**[84991](#)**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 SGLVPRGSH MSLYDDLGV E TSDSKTEGWS KNFKLLQSQL QVKAALTAQA
KSQRTKQSTV LAPVIDLKR G GSSDDRQIVD TPPHVAAGLK DPVPSGFSAG EVLIPLADEY
DPMFPNDY EK VVKRQREER Q RQRELERQKE IEEREKRRKD RHEASGFARR PDPDSEDED
YERERRKRS M GGAAIAPPT S LVEKDKELPR DFPYEEDSRP RSQSSKAAIP PPVYEEQDRP
RSPTGPSNS F LANMGTV AH KIMQYGFRE GQGLGKHEQG LSTALSVEKT SKRGGKIIVG
DATEKDASK K SDSNPLTEIL KCPTKVLLR NMVGAGEVDE DLEVETKEEC EKYGKVGKCV
IFEIPGAPDD EAVRIFLEFE RVESAIAKAVV 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

Pictures:

