

Recombinant human RBM17, His-tagged

Cat. No. RBM17-2451H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RBM17 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	47.1kDa (421aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MSLYDDLGV E 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

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DATEKDASKK SDSNPLTEIL KCPTKVLLR NMVGAGEVDE DLEVETKEEC
 EKYGKVGKCV IFEIPGAPDD EAVRIFLEFE RVESAIAKV DLNGRYFGGR
 VVKACFYNLD KFRVLDLAEQ V

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [RBM17 RNA binding motif protein 17 \[Homo sapiens \]](#)

Official Symbol RBM17

Synonyms RBM17; RNA binding motif protein 17; splicing factor 45; MGC14439; SPF45; splicing factor 45kDa; 45 kDa-splicing factor; RNA-binding motif protein 17; DKFZp686F13131;

Gene ID [84991](#)

mRNA Refseq [NM_001145547](#)

Protein Refseq [NP_001139019](#)

MIM [606935](#)

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UniProt ID	Q96I25
Chromosome Location	10p15.1
Pathway	Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; mRNA processing, organism-specific biosystem;
Function	RNA binding; nucleic acid binding; nucleotide binding; protein binding;

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