
Product Data Sheet

Product Name: RBM17 Human

Cat. No.: GP24352

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	RNA Binding Motif Protein 17; SPF45; Splicing Factor 45kDa; RNA-Binding Motif Protein 17; Splicing Factor 45; 45 kDa-splicing factor; RBM17.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSLYDDLVE TSDSKTEGWS KNFKLLQSQL QVKKAAALTQA 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 KCPTKVLLR NMVGAGEVDE DLEVETKEEC EKYGKVGKCV IFEIPGAPDD EAVRIFLEFE RVESAIAKAVV DLNGRYFGGR VVKACFYNLD KFRVLDLAEQ V.		
Formulation	RBM17 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

RNA binding motif protein 17 (RBM17) is a splice factor which binds to the single stranded 3'AG at the exon/intron border and promotes its utilization in the 2nd catalytic step. The RBM17 protein is involved in the regulation of alternative splicing and the utilization of cryptic splice sites. RBM17 protein also stimulates the utilization of a cryptic splice site created by the beta-110 mutation in the HBB gene. The ensuing frameshift leads to sickle cell anemia.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

RBM17 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 421 amino acids (1-401 a.a) and having a molecular mass of 47.1kDa. RBM17 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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