

Recombinant human RBM17 protein

Catalog Number: ATGP2451

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-401aa

UniProt No.

Q96I25

NCBI Accession No.

NP_116294.1

Alternative Names

RNA binding motif protein 17, SPF45

PRODUCT SPECIFICATION

Molecular Weight

47.1 kDa (421aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human RBM17 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

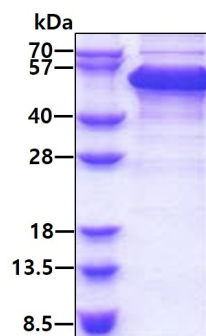
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IEEREKRRKD RHEASGFARR PDPDSDEDED YERERRKRSM GGAAIAPPTS LVEKDKELPR DFPYEEDSRP RSQSSKAAIP
PPVYEEQDRP RSPTGPSNSF LANMGGTVAH KIMQKYGFRE GQGLGKHEQG LSTALSVEKT SKRGGKIIVG DATEKDASKK
SDSNPLTEIL KCPTKVLLR NMVGAGEVDE DLEVETKEEC EKYGKVGKCV IFEIPGAPDD EAVRIFLEFE RVESAIKAVV
DLNGRYFGGR VVKACFYNLD KFRVLDLAEQ V

General References

Lallena M.J., et al. (2002) Cell. 109:285-296
Carrascal M., et al. (2008) J. Proteome Res. 7:5167-5176

DATA

SDS-PAGE



3ug by SDS PAGE under reducing condition and visualized by coomassie blue stain