

Recombinant human U2AF1 protein

Catalog Number: ATGP2095

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-240aa

UniProt No.

Q01081

NCBI Accession No.

NP_001020374

Alternative Names

u2 small nuclear RNA auxiliary factor 1, FP793, RN, RNu2AF1, Splicing factor u2AF 35 kDa subunit, u2 auxiliary factor 35 kDa subunit, RN, RNu2AF1, u2AF35, u2AFBP

PRODUCT SPECIFICATION

Molecular Weight

30.3 kDa (263aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

u2AF1 belongs to the splicing factor SR family of genes. u2 auxiliary factor, comprising a large and a small subunit, is a non-snRNP protein required for the binding of u2 snRNP to the pre-mRNA branch site. This protein is the small subunit which plays a critical role in both constitutive and enhancer-dependent RNA splicing by directly mediating interactions between the large subunit and proteins bound to the enhancers. Recombinant human u2AF1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMAEYLAS IFGTEKDKVN CSFYFKIGAC RHGDRC SRLH NKPTFSQTIL IQNIYRNPQN
SAQTADGSHC AVSDVEMQEH YDEFFEEVFT EMEKYGEVE EMNVCDNLGD HLVGNVYVKF RREEDAEKAV
IDLNNRWFNG QPIHAELSPV TDFREACCRQ YEMGECTRGG FCNFMHLKPI SRELRRRELYG RRRKKHRSRS RSRERRSRSR
DRGRGGGGGG GGGGGGRERD RRRSRDRERS GRF

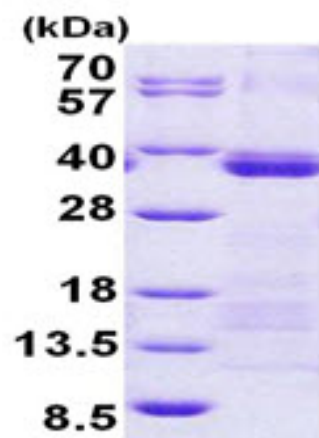
General References

Thol,F., et al. (2012) Blood 119 (15), 3578-3584

Makishima,H., et al. (2012) Blood 119 (14), 3203-3210

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)