

U2AF1, 1-240aa , Human, His tag, E.coli

Cat.NO.: TP04368

3th Edition

Synonyms: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

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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Molecular Weight:30.3 kDa (263aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGMAEYLASIFGTEKDKVNCSFYFKIGACRHGDRC SRLHNKPTFSQTILIQNIYR
NPQNSAQTADGSHCAVSDVEMQEHYDEFFEEVFTMEEEKYGEVEEMNVCDNLGDHLVGNVYVKFRREEDA
VIDLNNRWFNGQPIHAELSPVTDFREACCRQYEMGECTRGGFCNFMHLKPISREL RRELYGRRRKKHRSRSRSRE
RRRSRDRGRGGGGGGGGGGGRERDRRRSRDRERSGRF

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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