

Recombinant Human U2 small nuclear RNA auxiliary factor 1, His-tagged

Cat. No. U2AF1-580H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	U2AF1, 1-240aa , Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-240 a.a.
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 Mass	30.3 kDa (263aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAYELAS IFGTEKDKVN CSFYFKIGAC RHGDRCSRLH NKPTFSQTL IQNIYRNPQN SAQTADGSHC AVSDVEMQEH YDEFFEEVFT EMEEKYGEVE EMNVCDNLGD HLVGNVYVKF RREEDA EKAV IDLNNRWFG QPIHAELSPV TDFREACCRQ YEMGECTRGG FCNFMHLKPI

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	SRELRLRELYG RRRKKHRSRS RSRERRSRSR DRGRGGGGGG GGGGGGRERD RRRSRDRERS GRF
Purity	>90% by 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	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	U2AF1 U2 small nuclear RNA auxiliary factor 1 [Homo sapiens]
Official Symbol	U2AF1
Synonyms	U2AF1; U2 small nuclear RNA auxiliary factor 1; U2(RNU2) small nuclear RNA auxiliary factor 1 , U2(RNU2) small nuclear RNA auxiliary factor binding protein , U2AFBP; splicing factor U2AF 35 kDa subunit; RN; RNU2AF1; U2AF35; splicing factor U2AF 35kDa subunit; U2 small nuclear RNA auxillary factor 1; U2 snRNP auxiliary factor small subunit; U2(RNU2) small nuclear RNA auxiliary factor binding protein; U2 small nuclear ribonucleoprotein auxillary factor, 35-KD subunit; FP793; U2AFBP; DKFZp313J1712;
Gene ID	7307
mRNA Refseq	NM_001025203
Protein Refseq	NP_001020374
MIM	191317

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UniProt ID	Q01081
Chromosome Location	21q22.3
Pathway	Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; RNA Polymerase II Transcription, organism-specific biosystem; RNA Polymerase II Transcription Termination, organism-specific biosystem; Shigellosis, organism-specific biosystem; Spliceosome, organism-specific biosystem;
Function	RNA binding; RS domain binding; metal ion binding; nucleotide binding; protein binding; zinc ion binding;

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