
Product Data Sheet

Product Name: U2AF1 Human
 Cat. No.: GP24933
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Splicing factor U2AF 35 kDa subunit; U2 auxiliary factor 35 kDa subunit; U2 small nuclear RNA auxiliary factor 1; U2 snRNP auxiliary factor small subunit; U2AF35; U2AFBP; FP793; RNU2AF1; RN.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAEYLAS IFGTEKDKVN CSFYFKIGAC RHGDRC SRLH NKPTFSQTILIQNIYRNPQN SAQTADGSHC AVSDVEMQEH YDEFFEEVFT EMEEKYGEVE EMNVCDNLGD HLVGNVYVKFRREEDA EKAV IDLNNRWFNG QPIHAELSPV TDFREACCRQ YEMGECTRGG FCNFMHLKPI SRELRELYG RRRKKHRSRS RSRERRSRSDRGRGGGGGG GGGGGGRERD RRRSRDRERS GRF		
Formulation	U2AF1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

U2AF1 is a member of the splicing factor SR family. U2 auxiliary factor, comprising a large and a small subunit, is a non-snRNP protein essential for the binding of U2 snRNP to the pre-mRNA branch site. U2AF1 is the small subunit which plays a vital role in both constitutive and enhancer-dependent RNA splicing by directly mediating interactions between the large subunit and proteins bound to the enhancers. U2 small nuclear RNA auxiliary factor 1 (U2AF1) is a protein-coding gene. Among the diseases which are associated with U2AF1: Myoclonus Epilepsy and progressive Myoclonus Epilepsy.

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

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

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Background

U2AF1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 263 amino acids (1-240 a.a) and having a molecular mass of 30.3kDa. U2AF1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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