9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

U2AF1 Human

U2 Small Nuclear RNA Auxiliary Factor 1 Human Recombinant
RCP2488

Product Overview

Name	U2AF1 Human

Description

U2 Small Nuclear RNA Auxiliary Factor 1 Human Recombinant

Accession (Primary)	Q01081

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.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

U2AF1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MAEYLAS IFGTEKDKVN CSFYFKIGAC RHGDRCSRLH NKPTFSQTIL IQNIYRNPQN SAQTADGSHC AVSDVEMQEH YDEFFEEVFT EMEEKYGEVE EMNVCDNLGD HLVGNVYVKF

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RREEDAEKAV IDLNNRWFNG QPIHAELSPV TDFREACCRQ YEMGECTRGG FCNFMHLKPI SRELRRELYG RRRKKHRSRS RSRERRSRSR DRGRGGGGGG GGGGGGRERD RRRSRDRERS GRF

Precautions

U2AF1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q01081)