abcam

Product datasheet

Recombinant Human U2AF35/U2AF1 protein (denatured) ab156324

1 Image

Description

Product name	Recombinant Human U2AF35/U2AF1 protein (denatured)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	Q01081-2
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAEYLAS IFGTEKDKVN CSFYFKIGAC RHGDRCSRLH NKPTFSQTIL IQNIYRNPQN SAQTADGSHC AVSDVEMQEH YDEFFEEVFT EMEEKYGEVE EMNVCDNLGD HLVGNVYVKF RREEDAEKAV IDLNNRWFNG QPIHAELSPV TDFREACCRQ YEMGECTRGG FCNFMHLKPI SRELRRELYG RRRKKHRSRS RSRERRSRSR DRGRGGGGGG GGGGGGRERD RRRSRDRERS GRF
Predicted molecular weight	30 kDa including tags
Amino acids	1 to 240
Tags	His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab156324** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	This product was previously labelled as U2AF35

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

Function

Plays a critical role in both constitutive and enhancer-dependent splicing by mediating protein-protein interactions and protein-RNA interactions required for accurate 3'-splice site selection. Recruits U2 snRNP to the branch point. Directly mediates interactions between U2AF2 and proteins bound to the enhancers and thus may function as a bridge between U2AF2 and the enhancer complex to recruit it to the adjacent intron.

Sequence similarities

Belongs to the splicing factor SR family.
Contains 2 C3H1-type zinc fingers.
Contains 1 RRM (RNA recognition motif) domain.

Domain

The C-terminal SR-rich domain is required for interactions with SR proteins and the splicing regulators TRA and TRA2, and the N-terminal domain is required for formation of the U2AF1/U2AF2 heterodimer.

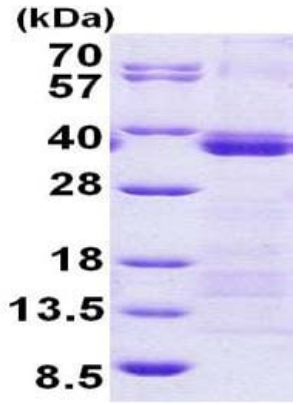
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Nucleus. Nucleus speckle.

Images



SDS-PAGE - Recombinant Human U2AF35/U2AF1 protein (denatured) (ab156324)

15% SDS-PAGE analysis of ab156324 (3µg).

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