

## U2AF1 Protein, Human, Recombinant (GST)

## General Information

Synonyms:	Splicing factor U2AF 35 kDa subunit;U2AF1;U2 small nuclear RNA auxiliary factor 1;U2 auxiliary factor 35 kDa subunit;U2AFBP;U2 snRNP auxiliary factor small subunit;U2AF35
Protein Construction:	1-240 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q01081
Molecular Weight:	54.9 kDa (predicted)
AA Sequence:	MAEYLASIFGTEKDKVNCSFYFKIGACRHHGDRCSRLHNKPTFSQTIALLNIYRNPQNSSQSADGLRCAVSDVE MQEHYDEFFEEVFTMEEEKYGEVEEMNVCDNLGDHLVGNVYVKFRREEDA EKAVIDLNNRWFNGQPIHAEL SPVTDFREACCRQYEMGECTRGGFCNFMHLKPISRELRRRELYGRRRKKHRSRSRSRERRSRSDRGRGGGGG GGGGGGGRERDRRRSRDRERSGRF

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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