

# Recombinant human U1 small nuclear ribonucleoprotein A

Catalog No: #AP71690

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Package Size: #AP71690-1 20ug #AP71690-2 100ug #AP71690-3 1mg

## Description

Product Name	Recombinant human U1 small nuclear ribonucleoprotein A
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:8-278aaSequence Info:Partial
Accession No.	P09012
Uniprot	P09012
GeneID	6626;
Calculated MW	57 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	PNHTIYINNLNEKIKKDELKKSLEYAIFSQFGQILDILVSRSLKMRGQAFVIFKEVSSATNALRSMQGFPPYDKPMR IQYAKTDSDIIAKMKGTFFVERDRKREKRKPKSQETPATKKAVQGGGATPVVGVAVQGPVPGMPPMTQAPRIMH HMPGQPPYMPPPGMIPPPGLAPGQIPPGAMPPQQLMPGQMPPAQPLSENPPNHILFTNLPEETNELMLSML FNQFPGFKEVRLVPRHDIADFVEFDNEVQAGAARDALQGFKITQNNAMKIS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Component of the spliceosomal U1 snRNP, which is essential for recognition of the pre-mRNA 5' splice-site and the subsequent assembly of the spliceosome. U1 snRNP is the first snRNP to interact with pre-mRNA. This interaction is required for the subsequent binding of U2 snRNP and the U4,U6,U5 tri-snRNP. SNRPA binds to loop II of U1 snRNA. In a snRNP-free form (SF-A) may be involved in coupled pre-mRNA splicing and polyadenylation process. May bind preferentially to the 5'-UGCAC-3' motif on RNAs.

## References

Structure, chromosomal localization and evolutionary conservation of the gene encoding human U1 snRNP-specific A protein.Nelissen R.L.H., Sillekens P.T.G., Beijer R.P., Geurts van Kessel A.H.M., van Venrooij W.J.Gene 102:189-196(1991)Research Topic:Transcription

Note: This product is for in vitro research use only