

# Recombinant Full Length Human HNRNPU Protein, GST-tagged

**Cat. No.** HNRNPU-3654HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human HNRNPU full-length ORF (NP_114032.2, 1 a.a. - 825 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	825 amino acids
<b>Description</b>	<p>This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they form complexes with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene contains a RNA binding domain and scaffold-associated region (SAR)-specific bipartite DNA-binding domain. This protein is also thought to be involved in the packaging of hnRNA into large ribonucleoprotein complexes. During apoptosis, this protein is cleaved in a caspase-dependent way. Cleavage occurs at the SALD site, resulting in a loss of DNA-binding activity and a concomitant detachment of this protein from nuclear structural sites. But this cleavage does not affect the function of the encoded protein in RNA metabolism. At least two</p>

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alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq]

**Molecular Mass** 117 kDa

**AA Sequence**

MSSSPVNVKCLKVSELKEELKKRRLSDKGLKAELMERLQAALDDEEAGGRPAMEPG  
 NGSLDLGGDSAGRSGAGLEQEAAAGGDEEEEEEEEEEGISALDGDQMELGEENG  
 AAGAADSGPMEEEEAASEDENGDDQGFQEGEDELGDEEEGAGDENGHGEQQPQ  
 PPATQQQQPQQQRGAAKEAAGKSSGPTSLFAVTVAPPGARQQQQAGGKKAEG  
 GGGGPRGAPAAGDGKTEQKGGDKKRGVCRPREDHGRGYFEYIEENKYSRAKSP  
 QPPVEEEDHFDDTVVCLDTYNCDLHFKISRDRLSASSLTMESFAFLWAGGRASYG  
 VSKGKVCFEMKVTEKIPVRHLYTKDIDIHEVRIGWSLTTSGMLLGEFEFSYGYSLKGI  
 KTCNCETEDYGEKFDENDVITCFANFESDEVELSYAKNGQDLGVAFKISKEVLGRP  
 LFPHVLCHNCAVEFNFGQKEKPYFPIPEEYTFIQNVPLEDRVRGPKGPEEKDCEVV  
 MMIGLPGAGKTTWVTKHAAENPGKYNILGTNTIMDKMMVAGFKKQMATDGKLNLL  
 QRAPQCLGKFIEIAARKKRNFIELDQTNVSAQAQRKMCFLFAGFQRKAVVCPKDEDY  
 KQRTQKKAIEVEGKDLPEHAVLKMKNFTLPEVAECFDEITYVELQKEEAQKLEQYK  
 EESKKALPPEKKQNTGSKKSNKNKSGKNQFNRRGGGHRGRGGFNMRGGNFRGGA  
 PGNRGGYNRRGNMPQRGGGGGGSGGIGYPYPRAPVFPGRGSYSNRGNYNRGG  
 MPNRGNYNQNFRRGNRGRGNRKYKNQSQGYNQWQQGQFWGQKPWSQHYHQGY

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

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**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	HNRNPU heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A) [ Homo sapiens ]
<b>Official Symbol</b>	HNRNPU
<b>Synonyms</b>	HNRNPU; heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A); HNRPU; heterogeneous nuclear ribonucleoprotein U; hnRNPU; SAF A; pp120; p120 nuclear protein; scaffold attachment factor A; SAF-A; U21.1; hnRNP U;
<b>Gene ID</b>	3192
<b>mRNA Refseq</b>	NM_004501
<b>Protein Refseq</b>	NP_004492
<b>MIM</b>	602869
<b>UniProt ID</b>	Q00839

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