Active Recombinant Full Length Human HNRNPA1 Protein, Flag-tagged

Cat. No. HNRNPA1-04HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length human heterogeneous nuclear ribonucleoprotein A1 (HNRNPA1), transcript variant 1, fused with C-terminal Flag tag, was expressed in mamanlian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of a family of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs), which are RNA-binding proteins that associate with pre-mRNAs in the nucleus and influence pre-mRNA processing, as well as other aspects of mRNA metabolism and transport. The protein encoded by this gene is one of the most abundant core proteins of hnRNP complexes and plays a key role in the regulation of alternative splicing. Mutations in this gene have been observed in individuals with amyotrophic lateral sclerosis 20. Multiple alternatively spliced transcript variants have been found. There are numerous pseudogenes of this gene distributed throughout the genome.
Bio-activity	Binding assay
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

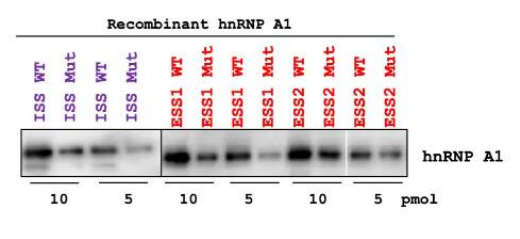
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80 centigrade.
Concentration	>50 μg/mL as determined by microplate BCA method.
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Full Length	Full L.

GENE INFORMATION

Gene Name	HNRNPA1 heterogeneous nuclear ribonucleoprotein A1 [Homo sapiens (human)]
Official Symbol	HNRNPA1
Synonyms	HNRNPA1; heterogeneous nuclear ribonucleoprotein A1; UP 1; ALS19; ALS20; HNRPA1; IBMPFD3; HNRPA1L3; hnRNP A1; hnRNP-A1; heterogeneous nuclear ribonucleoprotein A1; epididymis secretory sperm binding protein; helix-destabilizing protein; heterogeneous nuclear ribonucleoprotein A1B protein; heterogeneous nuclear ribonucleoprotein B2 protein; heterogeneous nuclear ribonucleoprotein core protein A1; hnRNP core protein A1-like 3; nuclear ribonucleoprotein particle A1 protein; putative heterogeneous nuclear ribonucleoprotein A1-like 3; single-strand DNA-binding protein UP1; single-strand RNA-binding protein
Gene ID	3178
mRNA Refseq	NM_002136
Protein Refseq	NP_002127
MIM	164017

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	P09651
WB	 HnRNP A1 binds specific RNA oligonucleotide sequences. Five or ten pmol of recombinant hnRNP A1 was incubated with magnetic beads conjugated with various wild-type (WT) and mutant (Mut) RNA oligonucleotides (ISS, ESS1, and ESS2). Bound hnRNP A1 was eluted and detected with an anti-hnRNP A1 antibody in Western blot.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA