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Product datasheet for TP303314M

hnRNP A1 (HNRNPA1) (NM_002136) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human heterogeneous nuclear ribonucleoprotein A1 (HNRNPA1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203314 protein sequence Red=Cloning site Green=Tags(s) MSKSESPKEPEQLRKLFIGGLSFETTDESLRSHFEQWGTLTDCVVMRDPNTKRSRGFGFVTYATVEEVDA AMNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGIKEDTEEHHLRDYFEQYGKIEVIEIMTDR GSGKKRGFAFVTFDDHDSVDKIVIQKYHTVNGHNCEVRKALSKQEMASASSSQRGRSGSGNFGGGRGGGF GGNDNFGRGGNFSGRGGFGGSRGGGGYGGSGDGYNGFGNDGSNFGGGGSYNDFGNYNNQSSNFGPMKGGN FGGRSSGPYGGGGQYFAKPRNQGGYGGSSSSSSYGSGRRF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	34 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Binding assay (PMID: 29762696)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002127

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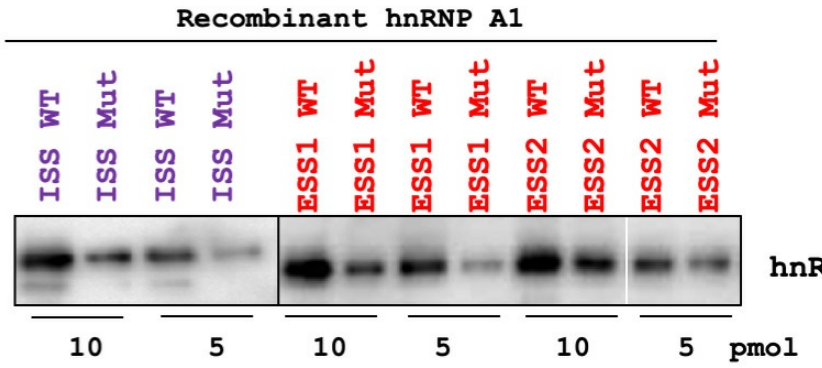
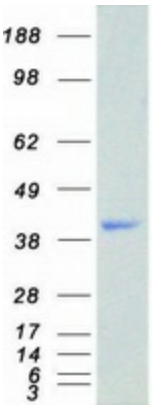
Locus ID:	3178
UniProt ID:	P09651, A0A024RB53
RefSeq Size:	1785
Cytogenetics:	12q13.13
RefSeq ORF:	960
Synonyms:	ALS19; ALS20; hnRNP-A1; hnRNP A1; HNRPA1; HNRPA1L3; IBMPFD3; UP 1
Summary:	This gene encodes a member of a family of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs), 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. [provided by RefSeq, Feb 2016]
Protein Pathways:	Spliceosome

Product images:



HnRNP A1 binds specific RNA oligonucleotide sequences. Five or ten pmol of recombinant hnRNP A1 (OriGene [TP303314]) 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. Figure cited from Nucleic Acids Res, PMID: 29762696



Coomassie blue staining of purified HNRNPA1 protein (Cat# [TP303314]). The protein was produced from HEK293T cells transfected with HNRNPA1 cDNA clone (Cat# [RC203314]) using MegaTran 2.0 (Cat# [TT210002]).