

Product datasheet for PH303314

hnRNP A1 (HNRNPA1) (NM_002136) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HNRNPA1 MS Standard C13 and N15-labeled recombinant protein (NP_002127)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203314
Predicted MW:	34.2 kDa
Protein Sequence:	>RC203314 protein sequence Red=Cloning site Green=Tags(s)

MSKSESPKEPEQLRKLFIGGLSFETTDESLRSHFEQWGLTDCVVMRDPNPKRSRGGFVYATVEEVDA
AMNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGIKEDTEEHHLRDYFEQYKGIEVIEIMTDR
GSGKKRGFAFVTFDDHDSVDKIVIQKYHTVNGHNCEVRKALSKQEMASASSSQRGRSGGNFGGGRGGGF
GGNDNFGRGGNFSGRGGFGGSRGGGGYGGSDGYNGFGNDGSNFGGGGSYNDFGNYNQSSNFGPMKGGN
FGGRSSGPYGGGQYFAKPRNQGGYGGSSSSSYGSGRRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002127</u>
RefSeq Size:	1785
RefSeq ORF:	960
Synonyms:	ALS19; ALS20; hnRNP-A1; hnRNP A1; HNRPA1; HNRPA1L3; IBMPFD3; UP 1
Locus ID:	3178



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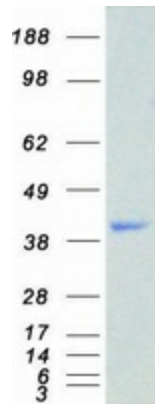
UniProt ID: [P09651](#), [A0A024RB53](#)

Cytogenetics: 12q13.13

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:



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]).