

Recombinant Human HNRNPA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HNRNPA1-3033H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

HNRNPA1 MS Standard C13 and N15-labeled recombinant protein (NP_112420) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

38.6 kDa

AA Sequence

MSKSESPKEPEQLRKLFIGGLSFETTDESLRSHFEQWGLTDCVVMRDPNTRSRG
FGFVTYATVEEVDAAMNARPHKVDGRVVEPKRAVSREDSQRPGAHLTVKKIFVGGI
KEDTEEHHLRDYFEQYGKIEVIEIMTDRGSGKKRGFAFVTFFDDHDSVDKIVIQKYHTV
NGHNCEVRKALSKQEMASASSSQRGRSGSGNFGGGRRGGGFGGNDNFGRGGNFS

 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

GRGGFGGSRGGGGYGGSGDGYNGFGNDGGYGGGGPGYSGGSRGYGSGGQGY
 GNQGSYGGSGSYDSYNNGGGGGFGGGSGSNFSGGGSYNDFGNYNQSSNFG
 PMKGGNFGGRSSGPYGGGGQYFAKPRNQGGYGGFSSSSSYGSGRRFTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [HNRNPA1 heterogeneous nuclear ribonucleoprotein A1 \[Homo sapiens \(human\) \]](#)

Official Symbol [HNRNPA1](#)

Synonyms HNRNPA1; heterogeneous nuclear ribonucleoprotein A1; HNRPA1; hnRNP A1; hnRNPA1; hnRNP A1-like 3; hnRNP core protein A1; helix-destabilizing protein; hnRNP core protein A1-like 3; single-strand RNA-binding protein; single-strand DNA-binding protein UP1; nuclear ribonucleoprotein particle A1 protein; heterogeneous nuclear ribonucleoprotein B2 protein; heterogeneous nuclear ribonucleoprotein A1B protein; heterogeneous nuclear ribonucleoprotein core protein A1; Putative heterogeneous nuclear ribonucleoprotein A1-like 3; HNRPA1L3; hnRNP-A1; MGC102835;

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Gene ID 3178

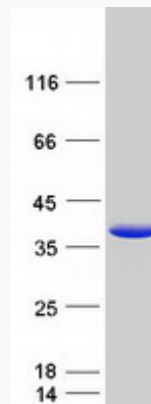
mRNA Refseq NM_031157

Protein Refseq NP_112420

MIM 164017

UniProt ID P09651

SDS-PAGE



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