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32-3980: HNRNPA1 Recombinant Protein

Alternative Name : Heterogeneous nuclear ribonucleoprotein A1,hnRNP A1,Helix-destabilizing protein,Single-strand RNA-binding protein,hnRNP core protein A1,HNRNPA1,HNRPA1,HNRPA1L3,hnRNP-A1.

Description

Source : Escherichia Coli. HNRNPA1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 343 amino acids (1-320 a.a.) and having a molecular mass of 36.6kDa.HNRNPA1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Heterogeneous nuclear ribonucleoprotein A1 (HNRNPA1) is a member of the A/B subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). HNRNPA1 is involved in the packing of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may control splice site selection. The HNRNPA1 protein may also have a role in HCV RNA replication. In addition, HNRNPA1 is believed to have a key role in the formation of specific myometrial protein species in parturition. The hnRNP proteins have distinctive nucleic acid binding properties. HNRNPA1 has 2 repeats of quasi-RRM domains that bind to RNAs. HNRNPA1 is one of the most copious core proteins of hnRNP complexes and it is restricted to the nucleoplasm. The HNRNPA1 protein, along with other hnRNP proteins, is exported from the nucleus, most likely bound to mRNA, and is immediately re-imported. The M9 domain of HNRNPA1 functions as both a nuclear localization and nuclear export signal.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	HNRNPA1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMSKSESP KEPEQLRKLF IGGLSFETTD ESLRSHFEQW GTLTDCVVMR DPNTKRSRGF GFVTYATVEE VDAAMNARPH KVDGRVVEPK RAVSREDSQR PGAHLTVKKI FVGGIKEDTE EHHLRDYFEQ YGKIEVIEIM TDRGSGKKRG FAFVTFDDHD SVDKIVIQKY HTVNGHNCEV RKALSKQEMA SASSSQRGRS GSGNFGGGRG GGFGGNDNFG RGGNFSGRGG FGGSRGGGGY GGSGDGYNGF GNDGSNFGGG GSYNDFGNYN NQSSNFGPMK GGNFGGRSSG PYGGGGQYFA KPRNQGGYGG SSSSSSYGSG RRF.