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32-2787: RNASEH2A Recombinant Protein

Alternative Name :	AGS4,JUNB,RNASEHI,RNHIA,RNHL ,Ribonuclease H2 subunit A,Aicardi-Goutieres syndrome 4 protein,RNase H(35),Ribonuclease HI large subunit,RNase HI large subunit,EC=3.1.26.4.

Description

Source : Escherichia Coli. RNASEH2A Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 322 amino acids (1-299) and having a molecular mass of 35.8kDa.RNASEH2A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Ribonuclease H2 subunit A (RNASEH2A) is a member of the RNase HII family and eukaryotic subfamily. RNASEH2A Plays a part in DNA replication, probably by mediating the removal of lagging-strand Okazaki fragment RNA primers throughout DNA replication. RNASEH2A catalyzes the endonucleolytic cleavage of RNA to a 5'-phosphomonoester and is capable to bind magnesium or manganese as cofactors. Aicardi-Goutieres syndrome type 4 (AGS4) caused by defects in RNASEH2A.

Product Info

Amount :	20 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The RNASEH2A solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
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 MGSMDLSELE RDNTGRCRLS SPVPAVCRKE PCVLGVDEAG RGPVLGPMVY AICYCPLPRL ADLEALKVAD SKTLLESERE RLFAKMEDTD FVGWALDVLS PNLISTSMLG RVKYNLNSLS HDTATGLIQY ALDQGVNVTQ VFVDTVGMPE TYQARLQQSF PGIEVTVKAK ADALYPVVSA ASICAKVARD QAVKKWQFVE KLQDLDTDYG SGYPNDPKTK AWLKEHVEPV FGFPQFVRFS WRTAQTILEK EAEDVIWEDS ASENQEGLRK ITSYFLNEGS QARPRSSHRY FLERGLESAT SL.

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