

32-2786: RNASEH1 Recombinant Protein

Alternative Name : Ribonuclease HI, RNase HI, Ribonuclease H, RNase H, rnhA, dasF, herA, rnh, sdrA, b0214, JW0204.

Description

Source : Escherichia Coli. RNASEH1 E.coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 178 amino acids (1-155 a.a.) and having a molecular mass of 20kDa. RNASEH1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. RNHA is an endonuclease which specifically degrades the RNA of RNA-DNA hybrids. Localized to the nucleus, the RNHA protein mediates the removal of Okazaki fragment RNA primers which are present on the lagging strand during DNA replication. RNHA catalyzes the endonucleolytic cleavage of RNA to a 5'-phosphomonoester and is capable of binding magnesium or manganese as cofactors.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	RNASEH1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 2mM 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 MGSMLKQVEI FTDGSC LGNP GPGGYGAILR YRGREKTFSA GYTRTTNNRM ELMAAIVALE ALKEHCEVIL STDSQYVRQG ITQWIHNWKK RGWKTADKKP VKNVDLWQRL DAALGQH QIK WEWVKGHAGH PENERCDELA RAAAMNPTLE DTGYQVEV.

