

Recombinant E. coli rnhA protein, His-tagged

Cat. No. rnhA-152 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E. coli rnhA fused with His tag at N-terminal was expressed in E. coli.
Species	E.coli
Source	E.coli
Description	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.
Form	RNASEH1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 2mM DTT.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMLKQVEI FTDGSC LGNP GPGGYGAILR YRGREKTFSA GYTRTTNNRM ELMAAIVALE ALKEHCEVIL STDSQYVRQG ITQWIHNWKK RGWKTADKKP VKNVDLWQRL DAALGQH QIK WEWVKGHAGH PENERCDELA RAAAMNPTLE DTGYQVEV.
Purity	Greater than 95% as determined by SDS-PAGE.
Storage	Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

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Avoid multiple freeze-thaw cycles.

GENE INFORMATION

Gene Name	rnhA ribonuclease HI, degrades RNA of DNA-RNA hybrids [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	rnhA
Synonyms	cer; dasF; ECK0214; herA; JW0204; rnh; sdrA; sin
Gene ID	946955

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