

Product information

rnhA, 1-155 aa

E.coli*, His-tagged, Recombinant, *E.coli

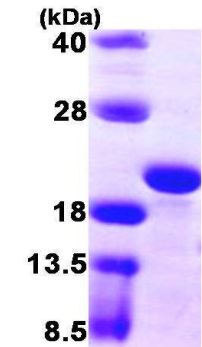
Cat. No. IBATGP1173

Full name: Ribonuclease HI, degrades RNA of DNA-RNA hybrids.

NCBI Accession No.: NP_414750

Synonyms: cer, dasF, ECK0214, herA, JW0204, rnh, sdrA, sin.

Description: rnhA is an endonuclease that specifically degrades the RNA of RNA-DNA hybrids. Localized to the nucleus, this protein mediates the removal of Okazaki fragment RNA primers that are present on the lagging strand during DNA replication. rnhA catalyzes the endonucleolytic cleavage of RNA to a 5'-phosphomonoester and is able to bind magnesium or manganese as cofactors. Recombinant *e.coli* rnhA protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT.</p> <p>Molecular Weight: 20 kDa (178aa), confirmed by MALDI-TOF</p> <p>Purity: > 95 % by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MGSMLKQVEI FTDGSLGNP GPGGYGAILR YRGREKTFSA GYTRTTNRM ELMAAIVALE ALKEHCEVIL STDSQYVRQG ITQWIHNWKK RGWKTADKKP VKNVDLWQRL DAALGQHQIK WEWVKGHAGH PENERCDELA RAAAMNPTLE DTGYQVEV</p>	

General references:

Nowotny M., *et al.* (2007) *Mol Cell.* 28(2):264-76.

Ten Asbroek AL., *et al.* (2002) *Eur J Biochem.* 269(2):583-92.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.