

rnhA, 1-155aa, E.coli, His tag, E.coli

Cat.NO.: TP03757

3th Edition

Synonyms:Ribonuclease HI, degrades RNA of DNA-RNA hybrids, 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.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT.

Molecular Weight:20 kDa (178aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMKQVEIFTDGSC LGNPGPGGYGAILRYRGREKTF SAGYTRTTNNRMELMA
AIVALEALKEHCEVILSTDSQYVRQGITQWIHNWKKRGWKTADKKPVKNVDLWQRLDAALGQH QIKWEWVKGHAG
HPENERCDELARAAAMNPTLEDTGYQVEV

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.