Recombinant E. coli HchA, His-tagged

Cat. No. hchA-3513E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E. colihchA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-283aa).
Species	E.coli
Source	E.coli
Description	HchA, also known as,Escherichia coli Hsp31, is a homodimeric member of the ThiI/DJ-1/PfpI superfamily that combines molecular chaperone and aminopeptidase activities. It uses temperature-induced exposure of structured hydrophobic domains to capture and stabilize early unfolding protein intermediates under severe thermal stress.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol0.1M NaCl,1mM DTT
Molecular Weight	33.3 kDa(303aa) confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MTVQTSKNPQ VDIAEDNAFF PSEYSLSQYT SPVSDLDGVD YPKPYRGKHK ILVIAADERY LPTDNGKLFSTGNHPIETLL PLYHLHAAGF EFEVATISGL MTKFEYWAMP HKDEKVMPFF EQHKSLFRNP KKLADVVASL NADSEYAAIF VPGGHGALIGLPESQDVAAA LQWAIKNDRF

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	VISLCHGPAA FLALRHGDNP LNGYSICAFP DAADKQTPEI GYMPGHLTWY FGEELKKMGM NIINDDITGRVHKDRKLLTG DSPFAANALG KLAAQEMLAA YAG
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.

GENE INFORMATION

Gene Name	hchA Hsp31 molecular chaperone [Escherichia coli str. K-12 substr. MG1655]
Synonyms	Hsp31 molecular chaperone; ECK1963; JW1950; yedU; yzzC
Gene ID	946481
Protein Refseq	NP_416476

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