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**Product Data Sheet**


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Product Name: hchA E.Coli  
 Cat. No.: GP25089  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Chaperone protein hchA; Echsp31; Hsp31; hchA; yedU; yzzC; b1967; JW1950.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSHMTVQTSKNPQ VDIAEDNAFF PSEYSLSQYT SPVSDLDGVD YPKPYRGKHK ILVIAADERY LPTDNGKLFS TGNHPIETLL PLYHLHAAGF EFEVATISGL MTKFEYWAMP HKDEKVMPFF EQHKSLFRNP KKLADVVASL NADSEYAAIF VPGGHGALIG LPESQDVAAA LQWAIKNDRF VISLCHGPAA FLALRHGDNP LNGYSICAFP DAADKQTPEI GYMPGHILT WY FGEELKKMG M NIINDDITGR VHKDRKLLTG DSPFAANALG KLAAQEMLAA YAG.		
Formulation	The hchA contains (1mg/ml) 20mM Tris-HCl buffer (pH8.0), 20% glycerol 0.1M NaCl and 1mM DTT.		

**Introduction**

Escherichia coli Hsp31 (HchA) is a homodimeric member of the Thi/DJ-1/Pfpl superfamily which combines molecular chaperone and aminopeptidase activities. HchA uses temperature-induced exposure of structured hydrophobic domains to capture and stabilize early unfolding protein intermediates under severe thermal stress.

**Stability**

hchA E.Coli Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

**Background**

hchA produced in E.Coli is a single, non-glycosylated polypeptide chain containing 303 amino acids (1-283 a.a.) and having a molecular mass of 33.3kDa. hchA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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