

32-5318: Recombinant E.Coli Chaperone Protein hchA

Alternative Name : Chaperone protein hchA, EcHsp31, Hsp31, hchA, yedU, yzzC, b1967, JW1950.

Description

Source : Escherichia Coli. 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. Escherichia coli Hsp31 (HchA) is a homodimeric member of the ThiI/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.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The hchA contains (1mg/ml) 20mM Tris-HCl buffer (pH8.0), 20% glycerol 0.1M NaCl and 1mM DTT.
Storage condition :	hchA E.Coli Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSSLVPRGSH MTVQTSKNPQ VDIAEDNAFF PSEYLSQYT SPVSDLDGVD YPKPYRGKHK ILVIAADERY LPTDNGKLF S TGNHPIETLL PLYHLHAAGF EFEVATISGL MTKFEYWAMP HKDEKVMPPF EQHKSLFRNP KKLADVVASL NADSEYAAIF VPGGHGALIG LPESQDVAAA LQWAIKNDRF VISLCHGPAA FLALRHGDNP LNGYSICAFP DAADKQTPEI GYMPGHLTWY FGEELKKMG M NIINDDITGR VHKDRKLLTG DSPFAANALG KLAAQEMLAA YAG.

