

Recombinant Human HSPA13, His-tagged

Cat. No. HSPA13-3408H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSPA13 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	HSPA13, also known as STCH, is a member of the heat shock protein 70 family and is found associated with microsomes. Members of this protein family play a role in the processing of cytosolic and secretory proteins, as well as in the removal of denatured or incorrectly-folded proteins. HSPA13 has been found to interact with PLIC-1 and PLIC-2, proteins involved in the signaling connection between the membrane receptors for thrombospondin and the cytoskeleton.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol.
Molecular Weight	54.3 kDa (489aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELEM QQYLPLPTPK VIG IDLGTTY CSVGVFFPGT GKVKVIPDEN GHISIPSMVS FTDNDVYVGY ESV EL

 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

ADSNP QNTIYDAKRF IGKIFTAEEL EAEIGRYPFK VLNKNGMVEF SVTSNETITV
 SPEYVGSRL LKLKEMAEAY LGMPVANAVI SVPAEFDLKQ RNSTIEAANL AGL KIL
 RVIN EPTAAAMAYG LHKADV FHLV VIDLGGGTLD VSLLNKQGGM FLTRAMSGNN
 KL GGQDFNQR LLQYLYKQIY QTYGFVPSRK EEIHLRQAV EMVKLNLT LH QS AQ
 LSVLLT VEEQDRKEPH SSDTELPKDK LSSADDHRVN SGFGRGLSDK KS GE SQ
 VL FE TEISRKLFDT LNEDLFQKIL VPIQQVLKEG HLEKTEIDEV VLVGGSTRIP RIR
 Q V IQEFF GKDPNTSVDP DLAVVTGVAI QAGIDGGFWP LQVSALEIPN KHL QK TN
 F N.

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

HSPA13 heat shock protein 70kDa family, member 13 [Homo sapiens]

Synonyms

heat shock protein 70kDa family, member 13; STCH; HSPA13; heat shock 70 kDa protein 13; microsomal stress 70 protein ATPase core; microsomal stress-70 protein ATPase core; stress 70 protein chaperone, microsome-associated, 60kD; stress 70 protein chaperone, microsome-associa-ted, 60kDa; stress-70 protein chaper-one microsome-associated 60 kDa protein;Microsomal stress-70 protein ATPase core; Stress-70 protein chape-ronnnne microsome-associated 60 kDa protein

Gene ID

6782

mRNA Refseq

NM_006948

Protein Refseq

NP_008879

MIM

601100

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UniProt ID	P48723
Chromosome Location	21q11.1; 21q11
Function	ATP binding; nucleotide binding