

AR09911PU-N

Human HSPA13 / STCH (23-471, His-tag) - Purified

Alternate names:

Heat shock 70 kDa protein 13, Microsomal stress-70 protein ATPase core, Stress-70 protein chaperone microsome-associated 60 kDa protein

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P48723](#)

NCBI:

[NP_008879](#)

GenelD:

[6782](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol

Description:

Recombinant human HSPA13 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELEM QQYLPLPTPK VIGIDLGT
TSVGVFFPGT GKVKVIPDEN GHISIPSMVS FTDNDVYVGY ESVELADSNP QNTIYDAKRF
IGKIFTAEEL EAEIGRYPFK VLNKNGMVEF SVTSNETITV SPEYVGSRL LKLKEMAEAY
LGMPVANAVI SVPAEFDLKQ RNSTIEAANL AGLKILRVIN EPTAAAMAYG LHKADVHVL
VIDLGGGTLD VSLLNKQGGM FLTRAMSGNN KLGGQDFNQR LLQYLYKQIY QTYGFVPSRK
EEIHLRQAV EMVKLNLT LH QSAQLSVLLT VEEQDRKEPH SSDTELPKDK LSSADHRVN
SGFGRGLSDK KSGESQVLFE TEISRKLFD LNEDLFQKIL VPIQQVLKEG HLEKTEIDEV
VLVGGSTRIP RIRQVIQEFF GKDPNTSVDP DLAVVTGVAI QAGIDGGFWP LQVSALEIPN
KHLQKTNFN

Molecular weight: 54.3 kDa (489aa)

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Lim J., et al. (2006) Cell. 125(4):801-14.

Rual JF., et al. (2005) Nature. 437(7062):1173-8.

Pictures:

Recombinant human HSPA13, 23-471 aa,
His-tagged

