

Recombinant human HSPA13 protein

Catalog Number: ATGP0971

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-471aa

UniProt No.

P48723

NCBI Accession No.

AAH36370

Alternative Names

Heat shock protein 70kDa family member 13, STCH

PRODUCT SPECIFICATION

Molecular Weight

54.3 kDa (489aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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Amino acid Sequence

MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSELEM QQYLPLPTPK VIGIDLGTTY CSVGVFFPGT
GKVKVIPDEN GHISIPSMVS FTDNDVYVGY ESVELADSNP QNTIYDAKRF IGKIFTAEEL EAEIGRYPFK VLNKNMVEF
SVTSNETITV SPEYVGSRL LKLKEMAEAY LGMPVANAVI SVPAEFDLQ RNSTIEAANL AGLKILRVIN EPTAAAMAYG
LHKADV FHLV VIDLGGGTLD VLLNKQGGM FLTRAMSGNN KLGGQDFNQR LLQYLYKQIY QTYGFVPSRK EEIHLRQAV
EMVKLNLT LH QSAQLSVLLT VEEQDRKEPH SSDTELPKDK LSSADDHRVN SGFGRGLSDK KSGESQVLFE TEISRKLFD
LNEDLFQKIL VPIQQVLKEG HLEKTEIDEV VLVGGSTRIP RIRQVIQEFF GKDPNTSVDP DLAVVTGVAI QAGIDGGFWP
LQVSALEIPN KHLQKTNFN

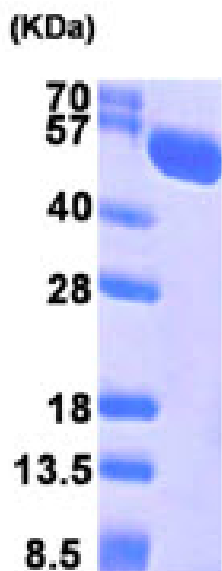
General References

Lim J., et al. (2006) Cell. 125(4):801-14.
Rual JF., et al. (2005) Nature. 437(7062):1173-8.

DATA

SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.



15% SDS-PAGE (3ug)