

Recombinant human HAUS1 protein

Catalog Number: ATGP1491

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-278aa

UniProt No.

Q96CS2

NCBI Accession No.

NP_612452

Alternative Names

HAuS augmin-like complex subunit 1, CCDC5, HEI-C, HEIC, HsT1461, Coiled-coil domain containing 5, Enhancer of invasion-cluster

PRODUCT SPECIFICATION

Molecular Weight

34.4 kDa (302aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.2M NaCl, 2mM DTT

Purity

> 85% 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

HAuS1, also known as HAuS augmin-like complex subunit 1, is 1 of 8 subunits of the 390-kD human augmin complex, or HAuS complex. The augmin complex was first identified in *Drosophila*, and its name comes from the Latin verb *augmentare*, meaning to increase. The augmin complex is a microtubule-binding complex involved in microtubule generation within the mitotic spindle and is vital to mitotic spindle assembly. Recombinant human HAuS1 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional

Recombinant human HAUS1 protein

Catalog Number: ATGP1491

chromatography.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSHEPQEE RETQVAAWLK KIFGDHPIQ YEVNPRTEI LHHLSERNRV RDRDVYLVIE
DLKQKASEYE SEAKYLQDLL MESVNFSPAN LSSTGSRYLN ALVDSVALE TKDTSASF I PAVNDLTSDL FRTKSKSEEI
KIELEKLEKN LTATLVLEKC LQEDVKKAEI HLSTERAKVD NRRQNMDFLK AKSEEFRFGI KAAEEQLSAR GMDASLSHQ5
LVALSEKLAR LKQQTIPK KLESYLDLMP NPSLAQVKIE EAKRELDSIE AELTRRVDMM EL

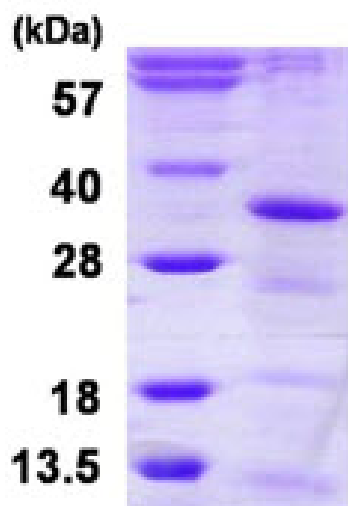
General References

Einarson M.B., et al. (2004) Mol. Cell. Biol. 24:3957-3971

Lawo S., et al. (2009) Curr. Biol. 19:816-826

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)