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

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chromatography.

Amino acid Sequence

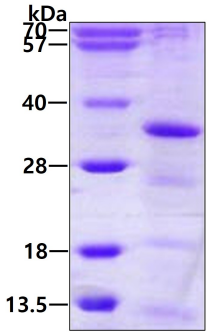
<MGSSHHHHHH SSGLVPRGSH MGSH>MEPQEE RETQVAAWLK KIFGDHPIPQ YEVNPRTTEI LHHLSERNRV RDRDVYLVIE DLKQKASEYE SEAKYLQDLL MESVNFSPAN LSSTGSRYLN ALVDSAVALE TKDTSLASFI PAVNDLTSDL FRTKSKSEEI KIELEKLEKN LTATLVLEKC LQEDVKKAEL HLSTERAKVD NRRQNMDFLK AKSEEFRFGI KAAEEQLSAR GMDASLSHQS LVALSEKLAR LKQQTIPLKK KLESYLDLMP NPSLAQVKIE 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.