9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HAUS1 Human

HAUS Augmin-Like Complex, Subunit 1 Human Recombinant
RCP0993

Product Overview

Name	HAUS1 Human

Description

HAUS Augmin-Like Complex, Subunit 1 Human Recombinant

Accession (Primary)	Q96CS2

Synonyms

HAUS augmin-like complex subunit 1, Coiled-coil domain-containing protein 5, Enhancer of invasion-cluster, HEI-C, HAUS1, CCDC5, HEIC, HsT1461.

Introduction

HAUS augmin-like complex subunit 1 (HAUS1) is 1 of 8 subunits of the 390kDa human augmin complex/ HAUS complex. The augmin complex is a microtubule-binding complex required in microtubule generation within the mitotic spindle and is imperative to mitotic spindle compilation. HAUS1 contributes to mitotic spindle assembly, maintenance of centrosome integrity and completion of cytokinesis as part of the HAUS augmin-like complex. HAUS1 is broadly expressed, especially in the pancreas, kidney, skeletal muscle, liver and heart. However it is weakly expressed in the lung, brain and placenta. HAUS1-depleted cells hold functional cell cycle checkpoints, but the depletion reduces the G2/M cell cycle compartment and stimulates apoptosis. The HAUS1 protein level remains constant through the cell cycle.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

HAUS1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 50% glycerol, 0.2M NaCl and 2mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

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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.

Precautions

HAUS1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q96CS2)