

32-3936: HAUS1 Recombinant Protein

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

Description

Source : Escherichia Coli. HAUS1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 302 amino acids (1-278 a.a) and having a molecular mass of 34.4kDa. HAUS1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	HAUS1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 50% glycerol, 0.2M NaCl and 2mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHEPQEE RETQVAWLK KIFGDHPIQ YEVNPRTEI LHHLSENRV RDRDVYLVIE DLKQKASEYE SEAKYLQDLL MESVNFSPAN LSSTGSRYLN ALVDSVALE TKDTSLSAFI PAVNDLTSDL FRTKSKSEEI KIELEKLEKN LTATLVLEKC LQEDVKKAEI HLSTERAKVD NRRQNMDFLK AKSEEFRTGI KAAEEQLSAR GMDASLSHQ5 LVALSEKLAR LKQQTIPK KLESYLDLMP NPSLAQVKIE EAKRELD5IE AELTRRVDM5 EL.