

# Recombinant Human HAUS1, His-tagged

**Cat. No.** HAUS1-26321TH    **Lot. No.** (See product label)

## SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b>   | Recombinant full length protein, corresponding to amino acids 1-278 of Human CCDC5 with N terminal His tag, 34kDa.                                                                                                                                                                                                                                                                      |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>      | 1-278 a.a.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>        | HAUS1 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 (Goshima et al. |
| <b>Conjugation</b>        | HIS                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tissue specificity</b> | Widely expressed. Expressed in pancreas, kidney, skeletal muscle, liver and heart. Weakly expressed in lung, brain and placenta.                                                                                                                                                                                                                                                        |
| <b>Form</b>               | Lyophilised:Reconstitute with 63 µl aqua dest.                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage buffer</b>     | Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5                                                                                                                                                                                                                                                                           |

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|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                  | Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                                                                                                                                                          |
| <b>Sequences of amino acids</b> | MEPQEERETQVAAWLKKIFGDHPIQYEVNPRTEILHHL SERNRVRDRDVYLVIED<br>LKQKASEYESEAKYLQDLLME SVNFS PANLSSTGSRYNALVDSAVALET KDTSLAS<br>FIPA VNDLTSDLFRTKSKSEEIKIELEKLEKNLTATLVLEKC LQEDVKKAELHLSTERA<br>KVDNRRQNMDFLKAKSEEF RF GIKAAEEQLSARGMDASLSHQSLValseklarlkq<br>QTIPL KKKLESYLDLMPNPSLAQVKIEEAKRELD SIEAELTRR VDMMEL |
| <b>Sequence Similarities</b>    | Belongs to the HAUS1 family.                                                                                                                                                                                                                                                                                   |
| <b>Full Length</b>              | Full L.                                                                                                                                                                                                                                                                                                        |
| <b>GENE INFORMATION</b>         |                                                                                                                                                                                                                                                                                                                |
| <b>Gene Name</b>                | HAUS1 HAUS augmin-like complex, subunit 1 [ Homo sapiens ]                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>          | HAUS1                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>                 | HAUS1; HAUS augmin-like complex, subunit 1; CCDC5, coiled coil domain containing 5 (spindle associated); HAUS augmin-like complex subunit 1; FLJ40084; HEI C; HsT1461;                                                                                                                                         |
| <b>Gene ID</b>                  | 115106                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>              | NM_138443                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>           | NP_612452                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>                      | 608775                                                                                                                                                                                                                                                                                                         |

|                        |                     |
|------------------------|---------------------|
| Uniprot ID             | Q96CS2              |
| Chromosome<br>Location | 18q21.1             |
| Function               | molecular_function; |

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