

## Recombinant Human WWC1 Protein (G658-S785), His/GST tagged

**Cat. No.** WWC1-0869H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human 6His-GST-TEV-WWC1(G658-S785) Protein was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | G658-S785                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Probable regulator of the Hippo/SWH (Sav/Wts/Hpo) signaling pathway, a signaling pathway that plays a pivotal role in tumor suppression by restricting proliferation and promoting apoptosis. Along with NF2 can synergistically induce the phosphorylation of LATS1 and LATS2 and can probably function in the regulation of the Hippo/SWH (Sav/Wts/Hpo) signaling pathway. Acts as a transcriptional coactivator of ESR1 which plays an essential role in DYNLL1-mediated ESR1 transactivation. Regulates collagen-stimulated activation of the ERK/MAPK cascade. Modulates directional migration of podocytes. Acts as a substrate for PRKCZ. Plays a role in cognition and memory performance. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                           |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Storage Buffer</b> | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol                                                                                               |
| <b>Shipping</b>       | It is shipped out with blue ice.                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | WWC1 WW and C2 domain containing 1 [ Homo sapiens (human) ]                                                                                                                                                                                                        |
| <b>Official Symbol</b> | WWC1                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | WWC1; WW and C2 domain containing 1; WW, C2 and coiled coil domain containing 1; protein KIBRA; KIAA0869; KIBRA; protein WWC1; HBeAg-binding protein 3; kidney and brain protein; WW, C2 and coiled-coil domain containing 1; HBEBP3; HBEBP36; FLJ10865; FLJ23369; |
| <b>Gene ID</b>         | 23286                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_001161661                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>  | NP_001155133                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>      | Q8IX03                                                                                                                                                                                                                                                             |

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