

## Recombinant Human CASK, Gly & Pro tagged

**Cat. No.** CASK-465H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human CASK (O14936-4) (Ala2-Tyr898), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.                                                                             |
| <b>Species</b>              | Human                                                                                                                                                                                                                                       |
| <b>Source</b>               | Insect Cells                                                                                                                                                                                                                                |
| <b>ProteinLength</b>        | 2-898 a.a.                                                                                                                                                                                                                                  |
| <b>Predicted N Terminal</b> | Gly                                                                                                                                                                                                                                         |
| <b>Form</b>                 | Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.                                                                             |
| <b>Molecular Mass</b>       | The secreted recombinant human CASK consists of 899 amino acids and predicts a molecular mass of 102.1 KDa. The apparent molecular mass of the protein is approximately 102 KDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>            | < 1.0 eu per µg of the protein as determined by the LAL method.                                                                                                                                                                             |
| <b>Purity</b>               | >90 % as determined by SDS-PAGE                                                                                                                                                                                                             |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70oC.                                                                                                                                                                   |
| <b>Storage</b>              | Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein                                                                                                                                                        |

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**
**Gene Name**

CASK calcium/calmodulin-dependent serine protein kinase (MAGUK family) [ Homo sapiens ]

**Official Symbol**

CASK

**Gene ID**

8573

**mRNA Refseq**

NM\_001126054

**Protein Refseq**

NP\_001119526

**MIM**

300172

**UniProt ID**

O14936

**Chromosome  
Location**

Xp11.4

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