

# Recombinant Human Casein Kinase 1, Alpha 1, GST-His

**Cat. No.** CSNK1A1-741H    **Lot. No.** (See product label)

## SPECIFICATION

|                          |                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Recombinant Human CK1-alpha1 Amino acids M1-F365, N-terminally fused to GST-HIS6-Thrombin cleavage site was expressed in Sf9 cells. MW = 71,434 Da. |
| <b>Species</b>           | Human                                                                                                                                               |
| <b>Source</b>            | Sf9 Cells                                                                                                                                           |
| <b>ProteinLength</b>     | 1-365 a.a.                                                                                                                                          |
| <b>Description</b>       | Casein kinase 1, alpha 1 has been shown to interact with Centaurin, alpha 1 and AXIN1.                                                              |
| <b>Purification</b>      | One-step affinity purification using GSH-agarose.                                                                                                   |
| <b>Product Identity</b>  | CK1-alpha1 was confirmed as human CK1-alpha1 by mass spectroscopy LC-ESI-MS/MS (Protagen AG, Germany).                                              |
| <b>Storage Buffer</b>    | 50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol.                                                              |
| <b>Concentration</b>     | 0.058 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).                                                      |
| <b>Specific Activity</b> | 3 pmol/µg×min.                                                                                                                                      |

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**Storage** -80°C. Avoid repeated freeze-thaw cycles!

## GENE INFORMATION

**Gene Name** CSNK1A1 casein kinase 1, alpha 1 [ Homo sapiens ]

**Synonyms** CSNK1A1; casein kinase 1, alpha 1; CK1; HLCDGP1; PRO2975; casein kinase I isoform alpha; Names; casein kinase I isoform alpha; CKI-alpha; OTTHUMP00000224000; down-regulated in lung cancer; EC 2.7.11.1

**Gene ID** 1452

**mRNA Refseq** NM\_001025105

**Protein Refseq** NP\_001020276

**MIM** 600505

**UniProt ID** P48729

**Chromosome Location** 5q32

**Pathway** Hedgehog signaling pathway; Wnt signaling pathway

**Function** ATP binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity

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