

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Sf9 Cells
ProteinLength	1-365 a.a.
Description	Casein kinase 1, alpha 1 has been shown to interact with Centaurin, alpha 1 and AXIN1.
Purification	One-step affinity purification using GSH-agarose.
Product Identity	CK1-alpha1 was confirmed as human CK1-alpha1 by mass spectroscopy LC-ESI-MS/MS (Protagen AG, Germany).
Storage Buffer	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol.
Concentration	0.058 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).
Specific Activity	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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