

# Recombinant Human Casein Kinase 1, Gamma 2, His-tagged

Cat. No. CSNK1G2-680H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human full length Casein Kinase 1 gamma 2 with His tag was expressed in <i>insect cells</i> . MW = 52.5 kDa.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	CK1 redirects here, for the cologne. The Casein kinase 1 family (EC 2.7.11.1) of protein kinases are serine/threonine-selective enzymes that function as regulators of signal transduction pathways in most eukaryotic cell types.
<b>Formulation</b>	Liquid in 50 mM Tris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.04% Triton X-100 + 4mM DTT + 50% glycerol.
<b>Purity</b>	≥ 90% as determined by SDS-PAGE analysis.
<b>Specific Activity</b>	195 nmole of phosphate transferred to dephosphorylated casein substrate per minute permg of total protein at 30°C. Activity determined at a final protein concentration of 2 g/ml.
<b>Storage &amp; Stability</b>	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
<b>Full Length</b>	Full L.

## GENE INFORMATION

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<b>Gene Name</b>	CSNK1G2 casein kinase 1, gamma 2 [ Homo sapiens ]
<b>Synonyms</b>	casein kinase 1, gamma 2; CK1g2; CSNK1G2; CKI-gamma 2; casein kinase 1 isoform gamma-2; casein kinase I isoform gamma-2; EC 2.7.11.1
<b>Gene ID</b>	1455
<b>mRNA Refseq</b>	NM_001319
<b>Protein Refseq</b>	NP_001310
<b>MIM</b>	602214
<b>UniProt ID</b>	P78368
<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	Hedgehog signaling pathway; Metabolism of lipids and lipoproteins
<b>Function</b>	ATP binding; glycoprotein binding; magnesium ion binding; nucleotide binding; peptide binding; phosphoprotein binding; protein serine/threonine kinase activity; transferase activity

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