

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

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

SPECIFICATION

Product Overview	Recombinant human full length Casein Kinase 1 gamma 2 with His tag was expressed in <i>insect cells</i> . MW = 52.5 kDa.
Species	Human
Source	Insect Cells
Description	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.
Formulation	Liquid in 50 mM Tris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.04% Triton X-100 + 4mM DTT + 50% glycerol.
Purity	≥ 90% as determined by SDS-PAGE analysis.
Specific Activity	195 nmole of phosphate transferred to dephosphorylated casein substrate per minute per mg of total protein at 30°C. Activity determined at a final protein concentration of 2 g/ml.
Storage & Stability	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
Full Length	Full L.

GENE INFORMATION

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