

Recombinant Human Casein Kinase 1, Gamma 1, GST-tagged

Cat. No. CSNK1G1-679H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human full length Casein Kinase 1 gamma 1 with GST tag was expressed in insect cells. MW = 72.9 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 + 0.02% Triton X-100 + 2mM DTT + 50% glycerol.
Purity	≥ 95% as determined by SDS-PAGE analysis.
Specific Activity	285 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 2.08g/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	CSNK1G1 casein kinase 1, gamma 1 [Homo sapiens]
Synonyms	casein kinase 1, gamma 1; CSNK1G1; casein kinase I isoform gamma-1; CKI-gamma 1; EC 2.7.11.1
Gene ID	53944
mRNA Refseq	NM_022048
Protein Refseq	NP_071331
MIM	606274
UniProt ID	Q9HCP0
Chromosome Location	15q22.1-q22.31
Pathway	Hedgehog signaling pathway
Function	ATP binding; nucleotide binding; protein serine/threonine kinase activity; transferase activity