

Recombinant Human Casein Kinase 1, Gamma 3, GST-tagged

Cat. No. CSNK1G3-681H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human full length Casein Kinase 1 gamma 3 with GST tag was expressed in <i>insect cells</i> . MW = 78.9 kDa.
Species	Human
Source	Insect Cells
Description	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.
Specific Activity	111 nmole of phosphate transferred to Casein Kinase 1 peptide substrate (RRKDLHDDEEDEAMSITA) per minute per mg of total protein at 30°C. Activity determined at a final protein concentration of 3.33 µg/ml.
Storage & Stability	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
Full Length	Full L.

GENE INFORMATION

Gene Name CSNK1G3 casein kinase 1, gamma 3 [*Homo sapiens*]

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Synonyms	casein kinase 1, gamma 3; CSNK1G3; casein kinase I isoform gamma-3; CKI-gamma 3; OTTHUMP00000159174; OTTHUMP00000159175; EC 2.7.11.1
Gene ID	1456
mRNA Refseq	NM_001031812
Protein Refseq	NP_001026982
MIM	604253
UniProt ID	Q9Y6M4
Chromosome Location	5q23
Pathway	Hedgehog signaling pathway
Function	ATP binding; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity

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