Recombinant Human CK1 gamma 3 (N-GST tag)

Cat No:HR2R1279

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CK1?3
Gene ID	N/A
Accession	NM_001031812
Alternative Name	CSNK1G3
Species	Human
Source	Insect cells
Description	CK1gamma3 is a member of the CK1 family of serine/threonine protein kinases which play an important role in diverse cell processes, including DNA replication and repair. CK1gamma3 is a ubiquitously expressed protein kinase found in the nuclei, cytoplasm and membrane fractions of eukaryotic cells . CK1gamma3 preferentially phosphorylates acidic substrates using ATP as a phosphate donor. The kinase domain of CKI isoforms have been shown to associate with protein kinase C-potentiated inhibitor protein of 17kDa, called CPI-17 . CPI-17 specifically inhibits myosin light chain phosphatase and this effect is potentiated when it is phosphorylated on Thr-38 by protein kinases such as the CK1 isoforms.
Functions	The specific activity of CK1?3 was determined to be 20 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	73
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.