

Recombinant Human CK1 alpha 1 (N-GST tag)

Cat No:HR2R1273

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CK1a1
Gene ID	N/A
Accession	NM_001892
Alternative Name	CSNK1A1, CK1, HLCDGP1, PRO2975, CK1A1
Species	Human
Source	Insect cells
Description	<p>CK1a1 is a member of the CK1 family of serine/threonine protein kinases which play an important role in diverse cell processes. CK1a1 can regulate Smo cell surface accumulation and activity in response to hedgehog. CK1a1 phosphorylate Smo at several sites and phosphorylation-deficient forms of Smo fail to accumulate on the cell surface and are unable to transduce the hedgehog signal . CK1a1 dynamically associates with the CBM complex on T cell receptor engagement to participate in cytokine production and lymphocyte proliferation. CK1a1 can form complex with MDM2 which then regulates the stability of p53 and E2F-1 transcription factors .</p>
Functions	The specific activity of CK1a1 was determined to be 120 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	62
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.