Recombinant Human CK2 alpha 2 (N-GST tag)

Cat No:HR2R1281

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CK2a2
Gene ID	N/A
Accession	NM_001896
Alternative Name	CSNK2A2; CKII-alpha 2; CK2A2
Species	Human
Source	Insect cells
Description	CK2a2 or casein kinase II alpha 2 is a member of the CK2 family of Ser/Thr protein kinases. CK2a2 plays a fundamental role in cell function and is involved in DNA replication, regulation of basal and inducible transcription, translation and control of metabolism. CK2a2 prefers utilization of acidic proteins such as caseins as substrates. The CK2a2 holoenzyme is a tetramer composed of an alpha chain, an alpha' and two beta chains. The alpha and alpha' chains contain the catalytic site. CK2a2 is also a component of CK2-SPT16-SSRP1 complex comprised of SSRP1, SUPT16H, CSNK2A1, CSNK2A2 and CSNK2B . This complex associates following UV irradiation. CK2a2 act as a candidate gene for inherited abnormalities of sperm morphogenesis .
Functions	The specific activity of CK2a2 was determined to be 63 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	64
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.