

32-2977: CK2b Active Recombinant Protein (Discontinued)

Alternative Name : Casein kinase II subunit beta,CK II beta,Phosvitin,G5a,CK2B,CK2N,CSK2B,MGC138222,MGC138224.

Description

Source : Escherichia Coli. Casein Kinase 2 beta Human Recombinant is a non-glycosylated polypeptide having a molecular mass of 24.9 kDa. Casein Kinase 2 is purified by proprietary chromatographic techniques. The Casein kinase 2 (EC2.7.11.1) is a serine/threonine-selective protein kinase that is a tetramer of two alpha subunits and two beta subunits. The alpha subunits have the catalytic kinase domain. Casein kinase 2 has been implicated in cell cycle control, DNA repair, regulation of the circadian rhythm and other cellular processes. Casein kinase 2 activity has been reported to be activated following Wnt signaling pathway activation. A Pertussis toxin-sensitive G protein and Dishevelled appear to be an intermediary between Wnt-mediated activation of the Frizzled receptor and activation of casein kinase 2. Mice that lack casein kinase 2 alpha prime have a defect in the morphology of developing sperm.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	CSNK2B lyophilized from 25mM Tris-HCl, 500mM NaCl, 1mM DTT, 1mM EDTA, protease inhibitor cocktail, pH 8.5.
Storage condition :	Lyophilized CSNK2B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CSNK2B should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

Application Note

Solubilize in distilled H₂O or 50% glycerol.