



Product Datasheet

Product Name	Casein Kinase 2 alpha Human Recombinant
Cata No	CB500815
Source	<i>Escherichia Coli.</i>
Synonyms	Casein kinase II subunit alpha, EC 2.7.11.1, CK II, CK2A1, CKII alpha, CSNK2A1, PKCK2, CSK21.

Description

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.

Casein Kinase 2 alpha Human Recombinant is a non-glycosylated polypeptide having a molecular mass of 45.1 kDa.

Casein Kinase 2 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Purity

Greater than 99% as determined by SDS-PAGE.

Formulation

CSNK2A1 is supplied in 25mM Tris-HCl, 500mM NaCl, 1mM DTT, 500µM PMSF, 50% glycerol, pH 8.5.