

Zea mays Casein kinase II alpha - Purified

Alternate names: ACK2, CK II, CK2-alpha

Catalog No.: PA1383X

Quantity: 10 µg

Background: 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.

Uniprot ID: [P28523](#)

NCBI: [4577](#)

Species: Zea mays

Source: E. coli, Escherichia Coli

Format: **State:** Liquid purified protein
Purity: >95% Greater than 99% as determined by SDS-PAGE
Buffer System: 50% glycerol

Description: Casein Kinase 2 alpha Zea Mays Recombinant is a non-glycosylated polypeptide. Casein Kinase 2 is purified by proprietary chromatographic techniques.

Specific Activity: > 1 U/mg > 1U/mg (1U = 1µmol/min at 37 degree C) using the synthetic peptide RRRDDDSDDD

Molecular weight: 39 kDa 39.2 kDa

Storage: Store the protein undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.