

## CK2a Zea Mays

**Description:**Casein Kinase 2 alpha Zea Mays Recombinant is a non-glycosylated polypeptide having a molecular mass of 39.2 kDa. Casein Kinase 2 is purified by proprietary chromatographic techniques.

Catalog #:PKPS-217

**Synonyms:**Casein kinase II subunit alpha, EC 2.7.11.1, CK II, CK2-alpha, CK2.

For research use only.

**Source:**Escherichia Coli.

**Purity:**Greater than 99% as determined by SDS-PAGE.

**Formulation:**

CK2a is supplied in 50% glycerol.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

**Storage:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

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