



Product Datasheet

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| Product Name | Casein Kinase 2 alpha Zea Mays Recombinant |
| Cata No | CB500817 |
| Source | Escherichia Coli. |
| Synonyms | Casein kinase II subunit alpha, EC 2.7.11.1, CK II, CK2-alpha, CK2 α . |

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 Disheveled appear to be an intermediary between

Wnt-mediated activation of the Frizzled receptor and activation of casein kinase 2.

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.

Purity

Greater than 99% as determined by SDS-PAGE.

Formulation

CK2 α is supplied in 50% glycerol.