

## OriGene Technologies Inc.

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## PA1383XC OriGene EU

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## Zea mays Casein kinase II alpha - Purified

Alternate names:	ACK2, CK II, CK2-alpha
Catalog No.:	PA1383XC
Quantity:	20 µg
Background:	The Casein kinase 2 (EC2.7.11.1) is a serine/threonine-selective protein kinasethat 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 cyclecontrol, DNA repair, regulation of the circadian rhythmand other cellular processes. Casein kinase 2 activity has been reported to be activated following Wnt signaling pathwayactivation. A Pertussis toxin-sensitive G proteinand Disheveled appear to be an intermediary between Wnt-mediated activation of the Frizzled receptor and activation of casein kinase 2.
Uniprot ID:	<u>P28523</u>
NCBI:	<u>4577</u>
Species:	Zea mays
Source:	E. coli, Escherichia Coli
Format:	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% Greater than 99% as determined by SDS-PAGE <b>Buffer System:</b> 50% glycerol
Description:	Casein Kinase 2 alpha Zea Mays Recombinant is a non-glycosylated polypeptide. Casein Kinase 2 is purified by proprietary chromatographic techniques. <b>Specific Activity:</b> > 1 U/mg > 1U/mg (1U = 1µmol/min at 37 degree C) using the synthetic peptide RRRDDDSDDD <b>Molecular weight:</b> 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.

**For research and in vitro use only. Not for diagnostic or therapeutic work.** Material Safety Datasheets are available at www.acris-antibodies.com or on request. Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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