

CK2 alpha 2 Recombinant Protein | CK2alpha2 recombinant protein

CK2 alpha 2, Active

CATALOG # AAA73382	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

CK2 alpha 2; Active; CSNK2A2; CKII-alpha 2; CK2A2; CK2alpha2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for CK2alpha2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for CK2alpha2 recombinant protein	Full length recombinant human CK2alpha2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_001896. CK2alpha2 or casein kinase II alpha 2 is a member of the CK2 family of Ser/Thr protein kinases. CK2a2 plays a fundamental role in cell function and is involved in DNA replication, regulation of basal and inducible transcription, translation and control of metabolism. CK2alpha2 prefers utilization of acidic proteins such as caseins as substrates. The CK2a2 holoenzyme is a tetramer composed of an alpha chain, an alpha' and two beta chains. The alpha and alpha' chains contain the catalytic site. CK2alpha2 is also a component of CK2-SPT16-SSRP1 complex comprised of SSRP1, SUPT16H, CSNK2A1, CSNK2A2 and CSNK2B (1). This complex associates following UV irradiation. CK2a2 act as a candidate gene for inherited abnormalities of sperm morphogenesis (2).
Product Categories/Family for CK2alpha2 recombinant protein	Protein Kinases; Cancer; Inflammation; Neurobiology; NfκB Pathway; Ser/Thr Kinases; WNT Signaling

References

1. Keller, D. M. et.al: A DNA damage-induced p53 serine 392 kinase complex contains CK2, hSpt16, and SSRP1. Molec. Cell 7: 283-292, 2001.
2. Xu, X. et.al: Globozoospermia in mice lacking the casein kinase II alpha-prime catalytic subunit. Nature Genet. 23: 118-121, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_001896](#)

Molecular Weight

~64kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ck2-alpha-2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73382>