

CK1 alpha 1L Recombinant Protein | CK1alpha1L recombinant protein

CK1 alpha 1L, Active

CATALOG # AAA73384	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

CK1 alpha 1L; Active; CSNK1A1L; CK1A1L; CK1alpha1L; CK1; MGC33182; RP11-532O21.2; CK1alpha1L 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 CK1alpha1L 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 CK1alpha1L recombinant protein	Recombinant full-length human CK1alpha1L was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC028723. CK1alpha1L or casein kinase 1, alpha 1 like is a novel member of the CKI gene family which highlights a critical role for p53 in invasiveness control (1). CK1-alpha dynamically associates with the CBM complex on T cell receptor engagement to participate in cytokine production and lymphocyte proliferation which has a contrasting role by subsequently promoting the phosphorylation and inactivation of CARMA1 and it governs antigen-receptor-induced NF-kappa-B activation and human lymphoma cell survival (2).
Product Categories/Family for CK1alpha1L recombinant protein	Protein Kinases ; Cancer ; Inflammation ; Neurobiology ; NfκB Pathway ; Ser/Thr Kinases ; WNT Signaling
References	1. Elyada, E.et.al: CKI-alpha ablation highlights a critical role for p53 in invasiveness control. Nature 470: 409-413, 2011. 2. Bidere, N.et.al: Casein kinase 1-alpha governs antigen-receptor-induced NF-kappa-B activation and human lymphoma cell survival. Nature 458: 92-96, 2009.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34192048
NCBI GeneID	122011
Molecular Weight	39,086 Da
NCBI Official Full Name	Homo sapiens casein kinase 1, alpha 1-like, mRNA
NCBI Official Synonym Full Names	casein kinase 1 alpha 1 like
NCBI Official Symbol	CSNK1A1L
NCBI Official Synonym Symbols	CK1
NCBI Protein Information	casein kinase I isoform alpha-like

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ck1-alpha-1l-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73384>