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CSK, Active recombinant protein
CSK, C-src tyrosine kinase
Catalog # PBV11298r

Specification

CSK, Active recombinant protein - Product info

Primary Accession	P41240
Concentration	0.1
Calculated MW	78.0 kDa KDa

CSK, Active recombinant protein - Additional Info

Gene ID	1445
Gene Symbol	CSK

Other Names
CSK, C-src tyrosine kinase, Protein-tyrosine kinase CYL

Source	Baculovirus (Sf9 insect cells)
Assay&Purity	SDS-PAGE; ≥85%
Assay2&Purity2	HPLC;
Recombinant	Yes

Format
Lyophilized powder

Storage
-80°C; Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 0.5 mM PMSF, pH 7.4, 5% trehalose and 5% mannitol.

CSK, Active recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CSK, Active recombinant protein - Images

CSK, Active recombinant protein - Background

CSK is a cytoplasmic tyrosine kinase that has been shown to downregulate the tyrosine kinase activity of the c-src oncoprotein through tyrosine phosphorylation of the c-src carboxy terminus (1). Cell transformation by src oncoprotein is caused by several oncogenic mechanisms, which interfere with the carboxy terminal phosphorylation. The CSK could therefore potentially function as an

anti-oncogene. CSK is ubiquitously expressed in human tissues as 2 mRNA species of 2.6 and 3.4 kb, although in some tissues and cell lines, only the larger mRNA is detected (2). A yeast 2-hybrid system has been used to identify proteins associated with CSK. The Src homology-3 (SH3) domain of CSK associates with a proline-rich region of PEP, a protein-tyrosine phosphatase expressed in hemopoietic cells (2). This association is highly specific and it is speculated that PEP may be an effector and/or regulator of CSK in T cells and other hemopoietic cells. An in situ hybridization has been used to map the CSK gene to chromosome 15q23-q25 (3).