

Recombinant Human Tec Protein Tyrosine Kinase, GST-tagged

Cat. No. TEC-2621H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TEC, catalytic domain [359-631 amino acids] was expressed as N-terminal GST-fusion protein (59 kDa) using <i>baculovirus</i> expression system. GST-TEC was purified by using glutathione sepharose chromatography and anion exchange chromatography.
Species	Human
Source	Insect Cells
Protein Length	359-631 a.a.
Description	The protein encoded by this gene belongs to the Tec family of non-receptor protein-tyrosine kinases containing a pleckstrin homology domain. Tec family kinases are involved in the intracellular signaling mechanisms of cytokine receptors, lymphocyte surface antigens, heterotrimeric G-protein coupled receptors, and integrin molecules. They are also key players in the regulation of the immune functions. Tec kinase is an integral component of T cell signaling and has a distinct role in T cell activation. This gene may be associated with myelodysplastic syndrome.
Purity	100%. The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5.
ATP	100μM.

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Substrate	Srctide.
Storage	Store at -80°C. Avoid repeating freeze-thaws.
GENE INFORMATION	
Gene Name	TEC tec protein tyrosine kinase [Homo sapiens]
Synonyms	TEC; tec protein tyrosine kinase; PSCTK4; MGC126760; MGC126762; tyrosine-protein kinase Tec; EC 2.7.10.2
Gene ID	7006
mRNA Refseq	NM_003215
Protein Refseq	NP_003206
MIM	600583
UniProt ID	P42680
Chromosome Location	4p12
Pathway	T cell receptor signaling pathway
Function	ATP binding; metal ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; transferase activity

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