

TEC recombinant protein

TEC, Active

CATALOG # AAA73983	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TEC; Active; PSCTK4; MGC126760; MGC126762; TEC 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 TEC 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 TEC recombinant protein	Full-length recombinant human TEC was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The TEC gene accession number is NM_003215. TEC is a member of the Tec family of non-receptor protein-tyrosine kinases that are involved in the intracellular signaling mechanisms of cytokine receptors, lymphocyte surface antigens, heterotrimeric G-protein coupled receptors, and integrin molecules. TEC is an integral component of T cell signaling and has a distinct role in T cell activation. Defects in TEC may be associated with myelodysplastic syndrome. TEC plays a crucial role in regulating FGF2 secretion under various physiological conditions (1) and it inhibits CD25 expression in human T-lymphocyte (2).
Product Categories/Family for TEC recombinant protein	Protein Kinases ; Angiogenesis ; Cancer ; Cardiovascular Disease ; Inflammation ; Neurobiology ; Receptor Tyrosine Kinases
References	- Ebert,A.D.et.al: Tec-kinase-mediated phosphorylation of fibroblast growth factor 2 is essential for unconventional secretion. <i>Traffic</i> 11 (6), 813-826 (2010). - Susaki,K.et.al: TEC protein tyrosine kinase inhibits CD25 expression in human T-lymphocytes. <i>Immunol. Lett.</i> 127 (2), 135-142 (2010)

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_003215
Molecular Weight	~103kDa

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/tec-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73983>