

Active Recombinant Human TEC, GST-tagged

Cat. No. NR4A3-1494H Lot. No. (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human TEC was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	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 and it inhibits CD25 expression in human T-lymphocyte.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	10 nmol/min/mg
Molecular Mass	~103 kDa
Purity	>75%

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Applications	Kinase Assay, Western Blot
Storage	Store at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 $\mu\text{g}/\mu\text{l}$
GENE INFORMATION	
Gene Name	NR4A3 nuclear receptor subfamily 4, group A, member 3 [Homo sapiens]
Official Symbol	NR4A3
Synonyms	NR4A3; nuclear receptor subfamily 4, group A, member 3; nuclear receptor subfamily 4 group A member 3; CHN; CSMF; MINOR; NOR1; nuclear hormone receptor NOR-1; neuron-derived orphan receptor 1; mitogen-induced nuclear orphan receptor; translocated in extraskeletal chondrosarcoma; chondrosarcoma, extraskeletal myxoid, fused to EWS; TEC;
Gene ID	8013
mRNA Refseq	NM_006981
Protein Refseq	NP_008912
MIM	600542
UniProt ID	Q92570
Chromosome Location	9q22

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Pathway

Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Hypertrophy Model, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

Function

DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; binding; metal ion binding; receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid hormone receptor activity; thyroid hormone receptor activity; zinc ion binding;

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