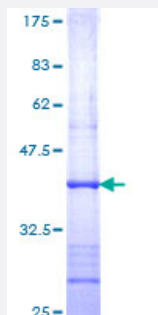


TEC (Human) Recombinant Protein (Q01)

Catalog # H00007006-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TEC partial ORF (NP_003206, 311 a.a. - 410 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KYYLAEKHAFGSIPEIIEYHKHNAAGLVTRLRYPVSVKGKNAPTTAGFSYEKWEINPSELTFMRELGSGLFGVVRLGKWRAQYKVAIKAIREGAMCEEDF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TEC

Entrez GeneID [7006](#)

GeneBank Accession# [NM_003215](#)

Protein Accession# [NP_003206](#)

Gene Name TEC

Gene Alias MGC126760, MGC126762, PSCTK4

Gene Description tec protein tyrosine kinase

Omim ID [600583](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000158787

Pathway

- [T cell receptor signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Lymphedema](#)