



# Recombinant Human Tyrosine-protein kinase Tec (TEC)

<b>Product Code</b>	CSB-EP023367HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P42680
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MNFTILEEI LIKRSQQKKK TSPLNYKERL FVLTKSMLTY YEGRAEKKYR            KGFIDVSKIK CVEIVKNDG VIPCQNKYPF QVVHDANTLY IFAPSPQSRD            LWVKKLKEEI KNNNNIMIKY HPKFWTDGSY QCCRQTEKLA PGCEKYNLFE            SSIRKALPPA PETKKRRPPP PIPLEEDNS EEIVVAMYDF QAAEGHDLRL            ERGQEYLILE KNDVHWRAR DKYGNEGYIP SNYVTGKKSNDLDQYEWYCR            NMNRSKAEQL LRSEDKEGGF MVRDSSQPGL YTVSLYTKFG GEGSSGFRHY            HIKETTTSPK KYLAEKHAF GSIPEIIEYH KHNAAGLVTR LRYVSVKGG            NAPTTAGFSY EKWEINPSEL TFMRELGSGL FGVVRLGKWR AQYKVAIKAI            REGAMCEEDF IEEAKVMMKL THPKLVQLYG VCTQQKPIYI VTEFMERGCL            LNFLRQRQGH FSRDVLLSMC QDVCEGMEYL ERNSFIHRDL AARNCLVSEA            GVVKVSDFGM ARYVLDDQYT SSSGAKFPVK WCPPEVFNYS            RFSSKSDVWS FGVLWWEVFT EGRMPFEKYT NYEVVTVMTR GHRLYQPKLA            SNYVYEVMLR CWQEKPEGRP SFEDLLRTID ELVECEETFG R</p>
<b>Source</b>	E.coli
<b>Target Names</b>	TEC
<b>Protein Names</b>	Recommended name: Tyrosine-protein kinase Tec EC= 2.7.10.2
<b>Expression Region</b>	1-631
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	<p>This protein 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.</p>
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.