



# Recombinant Human Tyrosine-protein kinase ITK/TSK (ITK)

<b>Product Code</b>	CSB-MP600145HU
<b>Abbreviation</b>	ITK
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q08881
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNNFILLEEQ LIKKSQQKRR TSPSNFKVRF FVLTKASLAY FEDRHGKKRT LKGSIELSRI KCVEIVKSDI SIPCHYKYPF QVVHDNYLLY VFAPDRESRQ RWVLALKEET RNNNSLVPKY HPNFWMDGKW RCCSQLEKLA TGCAQYDPTK NASKKPLPPT PEDNRRPLWE PEETVVIALY DYQTNDPQEL ALRRNEEYCL LDSSEIHWWR VQDRNGHEGY VPSSYLVEKS PNNLETYEWY NKSISRDKAE KLLLDTGKEG AFMVRDSRTA GYTVSVFTK AVVSENNPCI KHYHIKETND NPKRYYYVAEK YVFDSIPLLI NYHQHNGGGL VTRLRYPVCF GRQKAPVTAG LRYGKWVIDP SELTFVQEIG SGQFGLVHLG YWLNKDKVAI KTIREGAMSE EDFIEEAEMV MKLSHPKLVQ LYGVCLEQAP ICLVFEFMEH GCLSDYLRTQ RGLFAAETLL GMCLDVCEGM AYLEEACVIH RDLAARNCLV GENQVIKVSDFGMTRFVLDQYTSSTGTFK PVKWASPEVF SFSRYSSKSD VWSFGVLMWE VFSEGKIPYE NRSNSEVVED ISTGFRLYKP RLAETHVYQI MNHWCWKERPE DRPAFSRLLR QLAEIAESGL
<b>Source</b>	Mammalian cell
<b>Target Names</b>	ITK
<b>Protein Names</b>	Recommended name: Tyrosine-protein kinase ITK/TSK EC= 2.7.10.2 Alternative name(s): Interleukin-2-inducible T-cell kinase Short name= IL-2-inducible T-cell kinase Kinase EMT T-cell-specific kinase Tyrosine-protein kinase
<b>Expression Region</b>	1-620
<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>	This gene encodes an intracellular tyrosine kinase expressed in T-cells. The protein contains both SH2 and SH3 domains which are often found in intracellular kinases. It is thought to play a role in T-cell proliferation and



differentiation.

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**Reconstitution**

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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