



# Recombinant Human T-box transcription factor TBX5 (TBX5)

<b>Product Code</b>	CSB-BP857866HU
<b>Abbreviation</b>	TBX5
<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>	Q99593
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MADADEGFGL AHTPLEPDAK DLPCDSKPES ALGAPSKSPS SPQAAFTQQG MEGIKVFLEH RELWLKFHEV GTEMIITKAG RRMFPSYKVK VTGLNPKTKY ILLMDIVPAD DHRYKFADNK WSVTGKAEPA MPGRLYVHPD SPATGAHWMR QLVSFQKLKL TNNHLDPFGH IILNSMHKYQ PRLHIVKADE NNGFGSKNTA FCTHVPETA FIAVTSYQNH KITQLKIENN PFAKGFRGSD DMELHRMSRM QSKEYPVVPR STVRQKVASN HSPFSSESRA LSTSSNLGSQ YQCENGVSGP SQDLLPPNP YPLPQEHSQI YHCTKRKEEE CSTTDHPYKK PYMETS PSEE DSFYRSSYPQ QQGLGASYRT ESAQRQACMY ASSAPPSEPV PSLEDISCNT WPSMPSYSSC TVTTVQPMDR LPYQHFSAHF TSGPLVPRLA GMANHGGSPQL GEGMFQHQTS VAHQPVVRQC GPQTGLQSPG TLQPPEFLYS HGVPRTLSPH QYHSVHGVGM VPEWSDNS
<b>Source</b>	Baculovirus
<b>Target Names</b>	TBX5
<b>Protein Names</b>	Recommended name: T-box transcription factor TBX5 Short name= T-box protein 5
<b>Expression Region</b>	1-518
<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 is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is closely linked to related family member T-box 3 (ulnar mammary syndrome) on human chromosome 12. The encoded protein may play a role in heart development and specification of limb identity. Mutations in this gene have been associated with Holt-Oram syndrome, a developmental disorder affecting



the heart and upper limbs. Several transcript variants encoding different isoforms have been described for this gene.

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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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