

## Recombinant Human TBX3 protein, His-tagged

Cat. No. TBX3-1586H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TBX3 aa. (Leu107~Thr220 (Accession # O15119)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Leu107~Thr220
<b>Description</b>	<p>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 protein is a transcriptional repressor and is thought to play a role in the anterior/posterior axis of the tetrapod forelimb. Mutations in this gene cause ulnar-mammary syndrome, affecting limb, apocrine gland, tooth, hair, and genital development. Alternative splicing of this gene results in three transcript variants encoding different isoforms; however, the full length nature of one variant has not been determined.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	15kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%

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<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.
<b>Isoelectric Point</b>	9.6

## GENE INFORMATION

<b>Gene Name</b>	TBX3 T-box 3 [ <a href="#">Homo sapiens (human)</a> ]
<b>Official Symbol</b>	<a href="#">TBX3</a>
<b>Synonyms</b>	TBX3; T-box 3; UMS; XHL; TBX3-ISO; T-box transcription factor TBX3; T-box protein 3; bladder cancer related protein XHL
<b>Gene ID</b>	<a href="#">6926</a>
<b>mRNA Refseq</b>	<a href="#">NM_005996.3</a>
<b>Protein Refseq</b>	<a href="#">NP_005987.3</a>

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UniProt ID

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