

Recombinant Human TBX3 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human TBX3 aa. (Leu107~Thr220 (Accession # O15119)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu107~Thr220
Description	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.
Form	Freeze-dried powder
Molecular Mass	15kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.6

GENE INFORMATION

Gene Name	TBX3 T-box 3 [Homo sapiens (human)]
Official Symbol	TBX3
Synonyms	TBX3; T-box 3; UMS; XHL; TBX3-ISO; T-box transcription factor TBX3; T-box protein 3; bladder cancer related protein XHL
Gene ID	6926
mRNA Refseq	NM_005996.3
Protein Refseq	NP_005987.3

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UniProt ID

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