

# Recombinant Human TBX3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** TBX3-4445H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	TBX3 MS Standard C13 and N15-labeled recombinant protein (NP_057653) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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 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.
<b>Molecular Mass</b>	79.4 kDa
<b>AA Sequence</b>	MSLSMRDPVIPGTSMAYHPFLPHRAPDFAMSAVLGHQPPFFPALTLPPNGAAALSL PGALAKPIMDQLVGAAETGIPFSSLGPQAHLRPLKTMEPEEEVEDDPKVHLEAKELW DQFHKRGTEMVITKSGRRMFPPFKVRCGLDKKAKYILLMDIIAADDCRYKFHNSRW MVAGKADPEMPKRMYYIHPDSPATGEQWMSKVVFHKLKLTNNISDKHGFTLAFPSD HATWQGNYSFGTQTILNSMHKYQPRFHIVRANDILKLPYSTFRTYLFPETEFIAVTAY

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QNDKITQLKIDNNPFAKGFRTDGNRREKRKQLTLQSMRVFDERHKKENGTSDESS  
 SEQAAFNCFAQASSPAASTVGTSNLKDLCPEGESDAEAEESKEEHGPEACDAAKIS  
 TTTSEEPKRDGKSPAVKAHLFAAERPRDSGRLDKASPDSRHSPATISSSTRGLGAE  
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 AAAAQGLSGASAATLPFHLQQHVLASQGLAMSPFGSLFPYPYTYMAAAAAASSAAA  
 SSSVHRHPFLNLNTMRPRLRYSYSPYIPVVPDGSLLTTALPSMAAAAGPLDGVKAA  
 LAASPASVAVDSGSELNSRSSTLSSSSMSLSPKLCAEKEAATSELQSIQRLVSGLEA  
 KPDRSRASPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** TBX3 T-box 3 [ *Homo sapiens* (human) ]

**Official Symbol** TBX3

**Synonyms** TBX3; T-box 3; ulnar mammary syndrome, UMS; T-box transcription factor TBX3; TBX3 ISO; XHL; T-box protein 3; bladder cancer related protein XHL; UMS; TBX3-ISO;

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**Gene ID** 6926

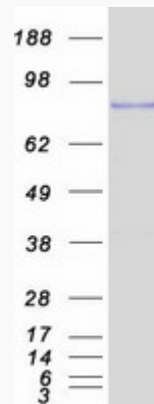
**mRNA Refseq** NM\_016569

**Protein Refseq** NP\_057653

**MIM** 601621

**UniProt ID** O15119

**SDS-PAGE**



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