

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

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

SPECIFICATION

Product Overview	TBX3 MS Standard C13 and N15-labeled recombinant protein (NP_057653) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	79.4 kDa
AA Sequence	MSLSMRDPVIPGTSMAYHPFLPHRAPDFAMSAVLGHQPPFFPALTLPNGAAALSL PGALAKPIMDQLVGAAETGIPFSSLGPQAHRLPLKTMEPEEEVEDDPKVHLEAKELW DQFHKRGTEMVITKSGRRMFPPFKVRCSGLDKKAKYILLMDIIAADDCRYKFHNSRW MVAGKADPEMPKRMYYHPDSPATGEQWMSKVTFHKLKLTNNISDKHGFTLAFPSD HATWQGNYSFGTQTILNSMHKYQPRFHIVRANDILKLPYSTFRTYLPETEFIAVTAY

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QNDKITQLKIDNNPFAKGFRDTGNGRREKRKQLTLQSMRVFDERHKKENGTSDESS
 SEQAAFNCFAQASSPAASTVGTSLNLDLCPSEGESDAEAEESKEEHGPEACDAAKIS
 TTTSEEPKCRDKGSPAVKAHLFAAERPRDSGRLDKASPDSRHSPATISSSTRGLGAE
 ERRSPVREGTAPAKVEEARALPGKEAFAPLTVQTDAAAHLAQGPLPGLGFAPGLA
 GQQFFNGHPLFLHPSQFAMGGAFSSMAAAGMGPLLATVSGASTGVSGLDSTAMAS
 AAAAQGLSGASAATLPFHLQQHVLASQGLAMSPFGSLFPYPPTYMAAAAAASSAAA
 SSSVHRHPFLNLNTMRPRLRYSIPVVPDGSLLTTALPSMAAAAGPLDGKVAA
 LAASPASVAVDSGSELNSRSSTLSSSSMSLSPKLCAEKEAATSELQSIQRLVSGLEA
 KPDRSRSASPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	