Recombinant Human TBX3

Cat. No. TBX3-29459TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Tbx3 with a N terminal proprietary tag: predicted molecular weight 36.63 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
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 Weight	36.630kDa inclusive of tags
Tissue specificity	Widely expressed.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glycerol, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KENGTSDESSSEQAAFNCFAQASSPAASTVGTSNLKDLCPSEGESDAEAESKEEHG PEACDAAKISTTTSEEPCRDKGSPAVKAHLFAAERPRDSGRLDK
Sequence Similarities	Contains 1 T-box DNA-binding domain.

GENE INFORMATION

Gene Name	TBX3 T-box 3 [Homo sapiens]
Official Symbol	TBX3
Synonyms	TBX3; T-box 3; ulnar mammary syndrome , UMS; T-box transcription factor TBX3; TBX3 ISO; XHL;
Gene ID	6926
mRNA Refseq	NM_005996
Protein Refseq	NP_005987
MIM	601621
Uniprot ID	O15119
Chromosome Location	12q24.1

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Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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