

Recombinant Human TBX5

Cat. No. TBX5-29460TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 402-518 of Human TBX5 with an N terminal proprietary tag; Predicted MWt 38.50 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
Protein Length	117 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 gene is closely linked to related family member T-box 3 (ulnar mammary syndrome) on human chromosome 12. The encoded protein may play a role in heart development and specification of limb identity. Mutations in this gene have been associated with Holt-Oram syndrome, a developmental disorder affecting the heart and upper limbs. Several transcript variants encoding different isoforms have been described for this gene.
Molecular Weight	38.500kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	PSMPSYSSCTVTTVQPM DRLPYQH FSAHFTSGPLVPRLAG MANHGSPQLGEGMF QHQTSAVAHQPVVRQCGPQTGLQSPGT LQPPEFLYSHGVPRTLSPHQYHSVHGVG MVPEWSDNS
Sequence Similarities	Contains 1 T-box DNA-binding domain.
GENE INFORMATION	
Gene Name	TBX5 T-box 5 [Homo sapiens]
Official Symbol	TBX5
Synonyms	TBX5; T-box 5; HOS; T-box transcription factor TBX5;
Gene ID	6910
mRNA Refseq	NM_000192
Protein Refseq	NP_000183
MIM	601620
Uniprot ID	Q99593
Chromosome Location	12q24.1
Pathway	Heart Development, organism-specific biosystem;

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Function

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

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