

Recombinant Human TBX5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TBX5-5274H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TBX5 MS Standard C13 and N15-labeled recombinant protein (NP_000183) 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 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 Mass	57.5 kDa
AA Sequence	MADADEGFGLAHTPLEPDAKDLPCDSKPESALGAPSKSPSSPQAAFTQQGMEGIKV FLHERELWLKFHEVGTMIITKAGRRMFPSYKVKVTGLNPKTKYILLMDIVPADDHRY KFADNKWSVTGKAEPAMPGRLYVHPDSPATGAHWMRQLVSFQKCLKLTNNHLDPFG HIILNSMHKYQPRLHIVKADENNGFGSKNTAFCTHVFPETAFIAVTSYQNHKITQLKIE NNPFAKGFGRGSDDMELHRMSRMQSKEYPVVPRSTVRQKVASNHSPFSSESRALST

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SSNLGSQYQCENGVSGPSQDLLPPPNPYPLPQEHSQIYHCTKRKEEEECSTTDHPYK
 KPYPMETSPSEEDSFYRSSYPQQQGLGASYRTEAQRQACMYASSAPPSEPVPSPLE
 DISCNTWPSMPSYSSCTVTTVQPMDRLPYQHFSAHFTSGPLVPRLAGMANHGGSPQ
 LGEGMFQHQTSVAHQPVVRQCQPGTGLQSPGTLQPPEFLYSHGVPRTLSPHQYHS
 VHGVMVPEWSDNSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 TBX5 T-box 5 [[Homo sapiens \(human\)](#)]

Official Symbol [TBX5](#)

Synonyms TBX5; T-box 5; HOS; T-box transcription factor TBX5; T-box protein 5;

Gene ID [6910](#)

mRNA Refseq [NM_000192](#)

Protein Refseq [NP_000183](#)

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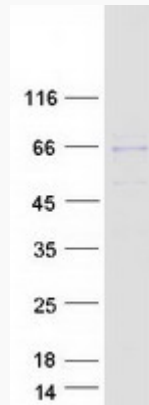
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MIM 601620

UniProt ID Q99593

SDS-PAGE



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