Recombinant Full Length Human TBX5 Protein, C-Flag-tagged

Cat. No. TBX5-998HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TBX5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.5 kDa
AA Sequence	MADADEGFGLAHTPLEPDAKDLPCDSKPESALGAPSKSPSSPQAAFTQQGMEGIKV FLHERELWLKFHEV GTEMIITKAGRRMFPSYKVKVTGLNPKTKYILLMDIVPADDHR YKFADNKWSVTGKAEPAMPGRLYVHPD SPATGAHWMRQLVSFQKLKLTNNHLDP FGHIILNSMHKYQPRLHIVKADENNGFGSKNTAFCTHVFPETA FIAVTSYQNHKITQL KIENNPFAKGFRGSDDMELHRMSRMQSKEYPVVPRSTVRQKVASNHSPFSSESRA

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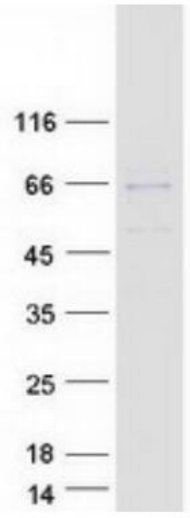
	LSTSSNLGSQYQCENGVSGPSQDLLPPPNPYPLPQEHSQIYHCTKRKEEECSTTDH PYKKPYMETSPSEE DSFYRSSYPQQQGLGASYRTESAQRQACMYASSAPPSEPV PSLEDISCNTWPSMPSYSSCTVTTVQPMDR LPYQHFSAHFTSGPLVPRLAGMANH GSPQLGEGMFQHQTSVAHQPVVRQCGPQTGLQSPGTLQPPEFLYS HGVPRTLSPHQYHSVHGVGMVPEWSDNSTRTRPLEQKLISEEDLAANDILDYKDDD DKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	TBX5 T-box transcription factor 5 [Homo sapiens (human)]
Official Symbol	TBX5
Synonyms	HOS

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Gene ID	6910
mRNA Refseq	NM_000192.3
Protein Refseq	NP_000183.2
MIM	601620
UniProt ID	Q99593



Coomassie blue staining of purified TBX5 protein.

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