

Product datasheet for **TP316520M**

TBX5 (NM_000192) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human T-box 5 (TBX5), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216520 representing NM_000192 Red =Cloning site Green =Tags(s)

MADADEGFGLAHTPLEPDAKDLPCDSKPESALGAPSKSPSSPQAAFTQQGMGKIVFLHERELWLFHEV
GTEMIITKAGRRMFPSYKVKVTGLNPKTKYILLMDIVPADDHRYKFADNKWSVTGKAEPAMPGRLYVHPD
SPATGAHWMRQLVSFQKLKLTNNHLDPFQGHILNSMHKYQPRLHIVKADENNGFGSKNTAFCTHVPETA
FIAVTSYQNHKITQLKIENNPFAKGFGRSDDMELHRMSRMQSKEYPVVPRSTVRQKVASNHSPFSSSRA
LSTSSNLGSQYQCENGVSGPSQDLLPPPNPYPLPQEHSQIYHCTKRKEEECSTTDHPYKPKPYMETSPSEE
DSFYRSSYPQQQLGASYRTESAQRQACMYASSAPPSEPVPSLEDISCNTWPSMPSYSCTVTTVQPMDR
LPYQHFSAHFTSGPLVPRLAGMANHGSPLGEGMFQHQTSAVHQPVVRQCGPQTGLQSPGTLQPPEFLYS
HGVPRTLSPHQYHSVHGVMVPEWSDNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	57.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_000183](#)

Locus ID: 6910

UniProt ID: [Q99593](#)

RefSeq Size: 3921

Cytogenetics: 12q24.21

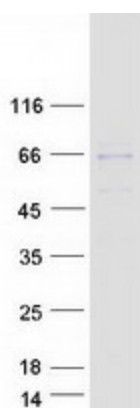
RefSeq ORF: 1554

Synonyms: HOS

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified TBX5 protein (Cat# [TP316520]). The protein was produced from HEK293T cells transfected with TBX5 cDNA clone (Cat# [RC216520]) using MegaTran 2.0 (Cat# [TT210002]).