

Product datasheet for PH316520

TBX5 (NM_000192) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TBX5 MS Standard C13 and N15-labeled recombinant protein (NP_000183)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216520
Predicted MW:	57.5 kDa
Protein Sequence:	>RC216520 representing NM_000192 Red=Cloning site Green=Tags(s)
	MADADEGFGLAHTPLEPDAKDLPCDSKPESALGAPSKSPSSPQAAFTQQGMEGIKVFLLHEREFLWLFHEV GTEMIITKAGRRMFPSYKVKVTGLNPKTKYILLMDIVPADDHRYKFADNKWSVTGKAEPAMPGRLYVHPD SPATGAHWMRQLVSFQKLKLTNNHLDPFGHIILNSMHKYQPRHLHIVKADENNGFGSKNTAFCTHVFPETA FIAVTSYQNHKITQLKIENPFKGFGRGSDMELHRMSRMSKEYPVVPRSTVRQKVASNHSPFSSESRA LSTSSNLGSQYQCENGVSGPSQDLLPPPNPYPLPQEHSQIYHCTKRKEEECSTTDHPYKPKPYMETSPSEE DSFYRSSYPQQQLGASVRTESAQRQACMYASSAPPSEPVSLEDISCNTWPSMPSYSSCTVTTVQPMDR LPYQHFSAHFTSGPLVPRLAGMANHGSPQLGEGMFQHQTSVAHQPVVRQCQPGTGLQSPGTLQPPEFLYS HGVPRTLSPHQYHSHVHGVMVPEWSDNS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000183</u>
RefSeq Size:	3921
RefSeq ORF:	1554



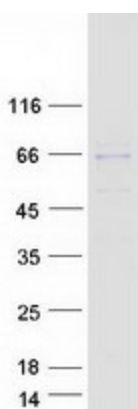
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Synonyms: HOS
Locus ID: 6910
UniProt ID: [Q99593](#)
Cytogenetics: 12q24.21

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]).