

Product datasheet for PH318530

T (NM_003181) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	T MS Standard C13 and N15-labeled recombinant protein (NP_003172)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218530
Predicted MW:	47.3 kDa
Protein Sequence:	>RC218530 representing NM_003181 Red=Cloning site Green=Tags(s) MSSPGTESAGKSLQYRVDHLLSAVENELQAGSEKGDPTERELRVGLEESELWLRFKELTNEMIVTKNGRR MFPVLKVNVSGLDPNAMYSFLLDFVAADNHRWKYVNGEWVPGGKPEPQAPSCVYIHPDSPNFGAHWMKAP VSFSKVKLTNKLNGGGQIMLNSLHKYEPRIHIVRVGGPQRMITSHCFPETQFIAVTAYQNEEITALKIKY NPFKAFLDAKERSDHKEMMEEPGDSQQPGYSQSGGWLLPGTSTLCPANPHPQFGGALSLPSTHSCDRY PTLRSHRSPYPSPYHRNNSPTYSDNSPACLSMLQSHDNWSSLGMPAHPMSMLPVSHNASPPTSSSQYPS LWSVSNGAVTPGSQAAAVSNGLGAQFFRGSPAHYTPLTHPVSAOSSSGSPLYEGAAAATDIVDSQYDAAA QGRLIASWTPVSPPSM TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_003172</u>
RefSeq Size:	2518
RefSeq ORF:	1308
Synonyms:	SAVA; T; TFT



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Locus ID: 6862

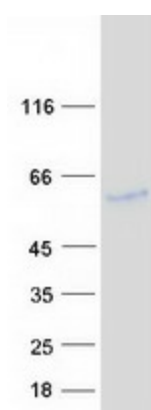
UniProt ID: [O15178](#)

Cytogenetics: 6q27

Summary: The protein encoded by this gene is an embryonic nuclear transcription factor that binds to a specific DNA element, the palindromic T-site. It binds through a region in its N-terminus, called the T-box, and effects transcription of genes required for mesoderm formation and differentiation. The protein is localized to notochord-derived cells. Variation in this gene was associated with susceptibility to neural tube defects and chordoma. A mutation in this gene was found in a family with sacral agenesis with vertebral anomalies. [provided by RefSeq, Sep 2018]

Protein Families: ES Cell Differentiation/IPS, Transcription Factors

Product images:



Coomassie blue staining of purified TBXT protein (Cat# [TP318530]). The protein was produced from HEK293T cells transfected with TBXT cDNA clone (Cat# [RC218530]) using MegaTran 2.0 (Cat# [TT210002]).