

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

Cat. No. TBXT-261HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TBXT Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47.3 kDa
AA Sequence	MSSPGTESAGKSLQYRVDHLLSAVENELQAGSEKGDPTERELRVGLEESELWLRFK ELTNEMIVTKNGRR MFPVLKVNVSGLDPNAMYSFLLDFVAADNHRWKYVNGEWVP GGKPEPQAPSCVYIHPDSPNFGAHWMKAP VSFSKVKLTKNLNGGGQIMLNSLHKY EPRIHIVRVGGPQRMITSCHFPETQFIAVTAYQNEEITALKIKY NPFAKAFLDAKERSD HKEMMEEPGDSQQPGYSQSGGWLLPGTSTLCPPANPHPQFGGALSLPSTHSCDR Y PTLRSHRSSPYSPYAHNRNNSPTYSDNSPACLSMLQSHDNWSSLGMPAHPMSML

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PVSHNASPPTSSSQYPS LWSVSNGAVTPGSQAAAVSNGLGAQFFRGSPAHTPLT
 HPVSAPSSSGSPLYEGAAAATDIVDSQYDAAA
 QGRLIASWTPVSPPSMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	ES Cell Differentiation/IPS, Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	TBXT T-box transcription factor T [Homo sapiens (human)]
Official Symbol	TBXT
Synonyms	T; TFT; SAVA
Gene ID	6862
mRNA Refseq	NM_003181.4

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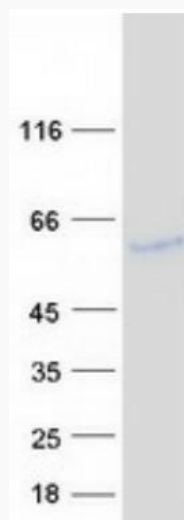
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Protein Refseq NP_003172.1

MIM 601397

UniProt ID O15178



Coomassie blue staining of purified TBXT protein.

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