

Recombinant Human T

Cat. No. T-27668TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Brachyury / Bry with N terminal proprietary tag, 67.54kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	377 amino acids
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.
Molecular Weight	67.540kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MSSPGTESAGKSLQYRVDHLLSAVENELQAGSEKGDPTER ELRVGLEESELWLRF
 KELTNEMIVTKNGRRMFPVLKVN VSGLDPNAMYSFLLDFVAADNHRWKYVNGEWW
 PGGKPEPQ APSCVYIHPDSPNFGAHWMKAPVSFSKVKLTNKLNGGG QIMLNSLHK
 YEPRIHIVRVGDPQRMITSHCFPETQFIAVT AYQNEEITALKIKYNPFAKAFLDAKERS
 DHKEMMEEPG DSQQPGYSQSYSDNSPACLSMLQSHDNWSSLGMPAHP SML PVS
 HNASPPTSSSQYPSLWSVSNGAVTPGSQAAAVSNG LGAQFFRGSPAHYTPLTHPV
 SAPSSSGSPLYEGAAAATDI VDSQYDAAAQGRLIASWTPVSPPSM

Sequence Similarities

Contains 1 T-box DNA-binding domain.

GENE INFORMATION

Gene Name	T T, brachyury homolog (mouse) [Homo sapiens]
Official Symbol	T
Synonyms	T; T, brachyury homolog (mouse); T brachyury (mouse) homolog; brachyury protein;
Gene ID	6862
mRNA Refseq	NM_003181
Protein Refseq	NP_003172
MIM	601397
Uniprot ID	O15178
Chromosome Location	6q27

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Pathway	Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem;
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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