

Recombinant Human TBX21 cell lysate

Cat. No. TBX21-1747HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Description	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 the human ortholog of mouse Tbx21/Tbet gene. Studies in mouse show that Tbx21 protein is a Th1 cell-specific transcription factor that controls the expression of the hallmark Th1 cytokine, interferon-gamma (IFNG). Expression of the human ortholog also correlates with IFNG expression in Th1 and natural killer cells, suggesting a role for this gene in initiating Th1 lineage development from naive Th precursor cells.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	TBX21 T-box 21 [<i>Homo sapiens</i>]
Official Symbol	TBX21
Synonyms	TBX21; T-box 21; T-box transcription factor TBX21; T bet; TBLYM; T-box protein 21;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	T-box expressed in T cells; transcription factor TBLYM; T-cell-specific T-box transcription factor T-bet; TBET; T-PET; T-bet;
Gene ID	30009
mRNA Refseq	NM_013351
Protein Refseq	NP_037483
MIM	604895
UniProt ID	Q9UL17
Chromosome Location	17q21.2
Pathway	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem; IL12 signaling mediated by STAT4, organism-specific biosystem; IL12-mediated signaling events, organism-specific biosystem; IL27-mediated signaling events, organism-specific biosystem;
Function	DNA binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA