Recombinant Human TBX21 Protein, His-tagged

Cat. No. TBX21-196H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TBX21(Phe167~Gln423) fused with His at N-terminal tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe167~Gln423
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	32.6kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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

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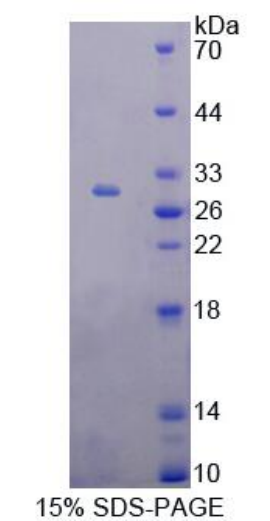
UniProt ID	Q9UL17



15% SDS-PAGE

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