

Recombinant Human TBX21 Protein, His-tagged

Cat. No. TBX21-79H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TBX21 Protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
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	Supplied as a 0.2 µm filtered solution in 1xPBS.
Molecular Mass	~61.4 KDa
AA Sequence	MASMTGGGQMQMGRGHHHHHHGNLYFQGGEGFIVEPGCGDMLTGTEPMPGSDEGR APGADPQHRYFYYPEPGAQDADERRGGGSLGSPYPGGALVPAPPSRFLGAYAYPPR PQAAGFPGAGESFPPPADAEQYQPGEGYAAPDPRAGLYPGPREYALPAGLEVSG KLRVALNNHLLWSKFNQHQTEMIITKQGRRMFPFLSFTVAGLEPTSHYRMFVDVVLV DQHHWRYQSGKWWQCGKAEGSMPGNRLYVHPDSPNTGAHWMRQEVSGKCLKLT NNKGASNNVTQMIVLQSLHKYQPRHLHIVEVNDGEPEAACNASNTHIFTFQETQFIAVT

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AYQNAEITQLKIDNNPFAKGFRENFESMYTSVDTSIPSPGPNCQFLGGDHYSPLLP
 NQYPVPSRFYPDLPGQAKDVVPQAYWLGAPRDHSYEAEFRAVSMKPAFLPSAPGP
 TMSYYRGQEV LAPGAGWPVAPQYPPKMGPASWFRPMRTLPMEPGPGGSEGRGP
 EDQGPPLVWTEIAPIRPESSDGLGEGDSKRRRVSPYPSSGDSSSPAGAPSPFDKE
 AEGQFYNYFPN

Purity >90%

Storage Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20% glycerol and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.

Concentration 0.3 mg/ml

Official Full Name T-box transcription factor 21

GENE INFORMATION

Gene Name TBX21 T-box transcription factor 21 [Homo sapiens (human)]

Official Symbol TBX21

Synonyms TBET; IMD88; T-PET; T-bet; TBLYM

Gene ID 30009

mRNA Refseq NM_013351

Protein Refseq NP_037483

MIM 604895

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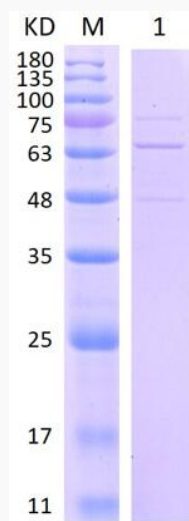
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UniProt ID

Q9UL17

SDS-PAGE



12% reducing SDS-PAGE analysis of purified Human TBX21.

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