

Product datasheet

Recombinant Human T-bet / Tbx21 protein ab182815

Description

Product name	Recombinant Human T-bet / Tbx21 protein
Purity	> 90 % SDS-PAGE. The final product was refolded using unique “temperature shift inclusion body refolding” technology and chromatographically purified.
Expression system	Escherichia coli
Accession	Q9UL17
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MASMTGGQQMGRGHHHHHHGNLYFQGGEGFVMEPGCGD MLTGTEPMPGSD EGRAPGADPQHRYFYPEPGAQDADERRGGGSLGSPYPG GALVPAPPSRFL GAYAYPPRPQAAGFPGAGESFPPPADAEGYQPGEYAA PDPRAGLYPGPR EDYALPAGLEVSGKLRVALNNHLLWSKFNQHQTEMITKQ GRRMFPFLSF TVAGLEPTSHYRMFVDVVLVDQHHWRYQSGKWWQCCKA EGSMPGNRLYVH PDSPNTGAHWMRQEVSFGLKLTNNKGASNNVTQMIVLQ SLHKYQPRLHI VEVNDGEPEAACNASNTHIFTFQETQFIAVTAYQNAEITQL KIDNNPFAK GFRENFESMYTSVDTIPSPPGPNQFLGGDHYSPLLPN QYPVPSRFYPD LPGQAKDVVPQAYWLGAPRDHSYEAEFRAVSMKPAFLP SAPGPTMSYRG QEV LAPGAGWPVAPQYPPKMGPASWFRPMRTLPMEPG PGGSEGRGPEDQG PPLVWTEAPIRPESSDSGLGEGDSKRRRVSPYPSSGDS SSPAGAPSPFD KEAEGQFYNYFPN </pre>
Predicted molecular weight	61 kDa including tags
Amino acids	2 to 535

Tags His-T7 tag N-Terminus
Additional sequence information T7-His-TEV cleavage site Tag (29aa) fusion at its N-terminal. NP_037483.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab182815** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituent: 0.32% Tris HCl

Contains NaCl, KCl, EDTA, arginine, DTT and Glycerol.

General Info

Function Transcription factor that controls the expression of the TH1 cytokine, interferon-gamma. Initiates TH1 lineage development from naive TH precursor cells both by activating TH1 genetic programs and by repressing the opposing TH2 programs.

Tissue specificity T-cell specific.

Involvement in disease Genetic variations in TBX21 are associated with susceptibility to asthma with nasal polyps and aspirin intolerance (ANPAI) [MIM:208550]. A condition consisting of asthma, aspirin sensitivity and nasal polyposis. Nasal polyposis is due to chronic inflammation of the paranasal sinus mucosa, leading to protrusion of edematous polyps into the nasal cavities.

Sequence similarities Contains 1 T-box DNA-binding domain.

Cellular localization Nucleus.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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