

Recombinant Human TBX4 protein, His & T7-tagged

Cat. No. TBX4-1585H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TBX4 aa. (Leu284~Gly545 (Accession # P57082)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu284~Gly545
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 homolog of mouse Tbx4, which is closely linked to Tbx2 on mouse chromosome 11. Similarly this gene, like TBX2, maps to human chromosome 17. Expression studies in mouse and chicken show that Tbx4 is expressed in developing hindlimb, but not in forelimb buds, suggesting a role for this gene in regulating limb development and specification of limb identity.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.3

GENE INFORMATION

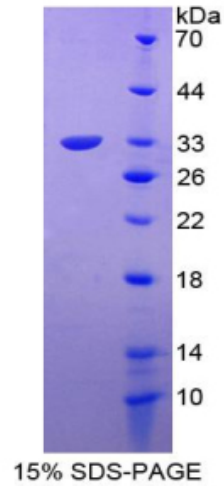
Gene Name	TBX4 T-box 4 [<i>Homo sapiens</i> (human)]
Official Symbol	TBX4
Synonyms	TBX4; T-box 4; SPS; ICPPS; T-box transcription factor TBX4; T-box protein 4
Gene ID	9496
mRNA Refseq	NM_001321120.1
Protein Refseq	NP_001308049.1
UniProt ID	P57082

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SDS-PAGE



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