

Recombinant Human TFE3

Cat. No. TFE3-218H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TFE-3 protein expressed in <i>E.coli</i> encodes 318-476 amino acids and has a molecular mass of 43 kDa.
Species	Human
Source	E.coli
Description	The DNA-binding factor TFE-3 contains adjacent helix-loop-helix (HLH) and leucine zipper (LZ) domains flanked by an upstream basic region. TFE-3 is ubiquitously expressed and can directly associates with DNA as either homodimers or heterodimers formed with two related proteins, TFEB or TFEC. TFE-3 binds to and activates the microE3 motif of the immunoglobulin heavy-chain enhancer to induce B-cell specific gene transcription and DNA recombination.
Formulation	Recombinant Human TFE-3 protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Application And Suggested Dilutions	ELISA, Inhibition Assays, Western Blotting.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 43 kDa.
Storage & Stability	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

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GENE INFORMATION

Gene Name	TFE3 transcription factor binding to IGHM enhancer 3 [Homo sapiens]
Synonyms	TFE3; transcription factor binding to IGHM enhancer 3; TFEA; RCCP2; bHLHe33; transcription factor E family, member A; TFECL; hTFEC-L; bHLHe34; Protein TFE-C; Transcription factor EC-like; transcription factor EC; Transcription factor E3
Gene ID	7030
mRNA Refseq	NM_006521
Protein Refseq	NP_006512
MIM	314310
UniProt ID	P19532
Chromosome Location	Xp11.22
Function	promoter binding; protein binding; transcription factor activity

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