

Recombinant Human TFE3 Protein, His-tagged

Cat. No. TFE3-587H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TFE3 fused with His tag at N-terminal was expressed in Sf9 cells.
Species	Human
Source	Sf9 Cells
Description	Transcription factor that specifically recognizes and binds E-box sequences (5'-CANNTG-3'). Efficient DNA-binding requires dimerization with itself or with another MiT/TFE family member such as TFEB or MITF. In association with TFEB, activates the expression of CD40L in T-cells, thereby playing a role in T-cell-dependent antibody responses in activated CD4(+) T-cells and thymus-dependent humoral immunity. Specifically recognizes the MUE3 box, a subset of E-boxes, present in the immunoglobulin enhancer. It also binds very well to a USF/MLTF site.
Form	50mM Tris-HCl pH8.0, 150mM NaCl, 10%glycerol. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	62 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	TFE3 transcription factor binding to IGHM enhancer 3 [Homo sapiens]
Official Symbol	TFE3
Synonyms	TFE3; transcription factor binding to IGHM enhancer 3; transcription factor E3; bHLHe33; member A; TFEA; transcription factor E family; Transcription factor for IgH enhancer; transcription factor E family, member A; class E basic helix-loop-helix protein 33; RCCP2; RCCX1;
Gene ID	7030
mRNA Refseq	NM_006521
Protein Refseq	NP_006512
MIM	314310
UniProt ID	P19532

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