

Recombinant Human TFE3 Protein, His-tagged

Cat. No. TFE3-2761H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TFE3 Protein (Met1-Asn350) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Asn350
Description	This gene encodes a basic helix-loop-helix domain-containing transcription factor that binds MUE3-type E-box sequences in the promoter of genes. The encoded protein promotes the expression of genes downstream of transforming growth factor beta (TGF-beta) signaling. This gene may be involved in chromosomal translocations in renal cell carcinomas and other cancers, resulting in the production of fusion proteins. Translocation partners include PRCC (papillary renal cell carcinoma), NONO (non-POU domain containing, octamer-binding), and ASPSCR1 (alveolar soft part sarcoma chromosome region, candidate 1), among other genes. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.7 kDa Accurate Molecular Mass: 45 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	TFE3 transcription factor binding to IGHM enhancer 3 [Homo sapiens (human)]
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

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Protein Refseq	NP_006512
MIM	314310
UniProt ID	P19532

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