

## Recombinant Human TFEC Protein, His-tagged

Cat. No. TFEC-464H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TFEC, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	This gene encodes a member of the microphthalmia (MiT) family of basic helix-loop-helix leucine zipper transcription factors. MiT transcription factors regulate the expression of target genes by binding to E-box recognition sequences as homo- or heterodimers, and play roles in multiple cellular processes including survival, growth and differentiation. The encoded protein is a transcriptional activator of the nonmuscle myosin II heavy chain-A gene, and may also co-regulate target genes in osteoclasts as a heterodimer with microphthalmia-associated transcription factor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
<b>Form</b>	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
<b>Molecular Mass</b>	35.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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## GENE INFORMATION

<b>Gene Name</b>	TFEC transcription factor EC [ Homo sapiens ]
<b>Official Symbol</b>	TFEC
<b>Synonyms</b>	TFEC; transcription factor EC; bHLHe34; TC FEC; TF ECL; transcription factor EC-like; class E basic helix-loop-helix protein 34; TFE-C; TFEC-L; hTFEC-L;
<b>Gene ID</b>	22797
<b>mRNA Refseq</b>	NM_001018058
<b>Protein Refseq</b>	NP_001018068
<b>MIM</b>	604732
<b>UniProt ID</b>	O14948

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