

Recombinant Full Length Human transcription factor EB Protein, N-GST tagged

Cat. No. TFEB-14HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human TFEB full-length ORF (AAH32448, 1 a.a. - 476 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
Species	Human
Source	Wheat Germ
ProteinLength	1-476 aa
Description	Enables DNA-binding transcription factor activity; enzyme binding activity; and transcription cis-regulatory region binding activity. Involved in several processes, including antibacterial innate immune response; cellular response to amino acid starvation; and positive regulation of transcription by RNA polymerase II. Located in cytosol and lysosomal membrane. Is active in nucleus.
Tag	N-GST
Molecular Mass	78.10 kDa
AA Sequence	MASRIGLRMQLMREQAQQEEQRERMQQQAVMHYMQQQQQQQQQQLGGPPTPAI NTPVHFQSPPPVPGEV LKVQSYLENPTS YHLQQSQHQKVREYLSETYGNKFAAHIS PAQGSPKPPPAASPGVRAGHVLSSSAGNSAPNSPMAMLHIGSNPERELDDVIDNIM RLDDVLGYINPEMQMPNTLPLSSSHLNVYSSDPQVTASLVGVTSSSCPADLTQKREL TDAESRALAKERQKKDNHNLIERRRRFNINDRIKELGMLIPKANDLDVRWNKGITILKA

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SVDYIRRMQKDLQKSRELENHSRRLEMTNKQLWLRIQELEMQARVHGLPTTSPSG
 MNMAELAQQVVKQELPSEEGPGEALMLGAEVPDPEPLPALPPQAPLPLPTQPPSPF
 HHLD FSHSLSFSGGREDEGPPGYPEPLAPGHGSPFPSLSKKDLMLLDDSLPLAS
 DPLLSTMSPEASKASSRRSSFSMEEGDVL

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

TFEB transcription factor EB [Homo sapiens (human)]

Official Symbol

TFEB

Synonyms

TFEB; transcription factor EB; TCFEB; BHLHE35; ALPHATFEB; transcription factor EB; T-cell transcription factor EB; class E basic helix-loop-helix protein 35

Gene ID

7942

mRNA Refseq

NM_007162

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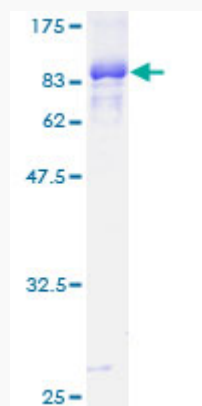
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Protein Refseq NP_009093

MIM 600744

UniProt ID P19484

SDS-PAGE



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