

Full-Length

TFEB (Human) Recombinant Protein (P01)

Catalog # H00007942-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TFEB full-length ORF (AAH32448, 1 a.a. - 476 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASRIGLRMQLMREQAQQEEQRERMQQQAVMHYMQQQQQQQQLGGPPTPAINTPVHFAQSP
PPVPGEVLKVQSYLENPTSYHLQQSQHQKVREYLSEYGNKFAAHISPAQGSPKPPPAASPGVR
AGHVLSSSAGNSAPNSPMAMLIHGSNPERELDDVIDNIMRLDDVLGYINPEMQMPNTLPLSSSHL
NVYSSDPQVTASLVGVTSSSCPADLTQKRELDAESRALAKERQKKDNHNLIERRRRFNINDRIKE
LGMLIPKANDLDVRWNKGTLKASVDYIRRMQKDLQKSRELENHSRRLEMTNKQLWLRIQELEMQ
ARVHGLPTTSPSGMNMAELAQQVVKQELPSEEGPGEALMLGAEVPDPEPLPALPPQAPLPLPT
QPPSPFHHLDFSHLSFSGGREDEGPPGYPEPLAPGHGSPFPSPSLSKKDLMLLDDSLPLASDP
LLTMSPEASKASSRRSSFMEEGDVL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.10

Interspecies Antigen Sequence

Mouse (93); Rat (94)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — TFEB

Entrez GeneID	7942
GeneBank Accession#	BC032448
Protein Accession#	AAH32448
Gene Name	TFEB
Gene Alias	AlphaTFEB, TCFEB, bHLHe35
Gene Description	transcription factor EB
Omim ID	600744
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000043540 OTTHUMP00000043542 OTTHUMP00000071327 T-cell transcription factor EB

Publication Reference

- [An FGF15/19-TFEB regulatory loop controls hepatic cholesterol and bile acid homeostasis.](#)

Yifeng Wang, Sumedha Gunewardena, Feng Li, David J Matye, Cheng Chen, Xiaojuan Chao, Taeyoon Jung, Yuxia Zhang, Maciej Czerwiński, Hong-Min Ni, Wen-Xing Ding, Tiangang Li.

Nature Communications 2020 Jul; 11(1):3612.

Application: EMSA, Human, Mouse, DNA probe