

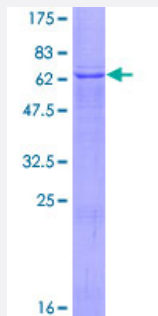
Full-Length

TMLHE (Human) Recombinant Protein (P01)

Catalog # H00055217-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TMLHE full-length ORF (AAH25269.1, 1 a.a. - 376 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MWYHRLSHLHSRLQDLLKGGVYPALPQPNFKSLLPLAVHWHHTASKSLTCAWQQHEDHFELKY
ANTVMRFDYVWLRDHCRSASCYNSKTHQRSLDTASVDLCIKPKTIRLDETTLFFTWPDGHVTKYD
LNWLVKNSYEGQKQKVIQPRILWNAEIYQQAQVPSVDCQSFLETNEGLKKFLQNFLLYGIAFVENV
PPTQEHTEKLAERISLIRETIYGRMWYFTSDFSRGDTAYTKLALDRHTDITYFQEPGCIQVFHCLKH
EGTGGRDLLVDGFYAAEQVLQKAPEEFELLSKVPLKHEYEDVGECHNHMIGIPVLNYPWNKEL
YLIRLFKEKQNTVNRQWNSSLQCDIPERILTYRHFVSGTSIEHRGSLI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.4

Interspecies Antigen Sequence

Mouse (84); Rat (80)

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 — TMLHE

Entrez GeneID[55217](#)**GeneBank Accession#**[BC025269.1](#)**Protein Accession#**[AAH25269.1](#)**Gene Name**

TMLHE

Gene Alias

BBOX2, FLJ10727, TMLH, XAP130

Gene Description

trimethyllysine hydroxylase, epsilon

Gene Ontology[Hyperlink](#)**Gene Summary**

Epsilon-N-trimethyllysine hydroxylase (EC 1.14.11.8) catalyzes the conversion of epsilon-N-trimethyllysine to beta-hydroxy-N-epsilon-trimethyllysine in the first step of L-carnitine biosynthesis (Vaz et al., 2001 [PubMed 11431483]).[supplied by OMIM]

Other Designations

OTTHUMP00000024255|butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 2|epsilon-trimethyllysine 2-oxoglutarate|epsilon-trimethyllysine hydroxylase

Pathway

- [Lysine degradation](#)