

Recombinant Human Trimethyllysine dioxygenase, mitochondrial(TMLHE)

Catalog No: #AP70863

Package Size: #AP70863-1 20ug #AP70863-2 100ug #AP70863-3 1mg

Description

Product Name	Recombinant Human Trimethyllysine dioxygenase, mitochondrial(TMLHE)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:16-376aaSequence Info:Full Length of Isoform 4
Other Names	Epsilon-trimethyllysine 2-oxoglutarate dioxygenase;Epsilon-trimethyllysine hydroxylaseTML hydroxylaseTML-alpha-ketoglutarate dioxygenase ;TML dioxygenase ;TMLD
Accession No.	Q9NVH6
Calculated MW	46.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	LLKGGVIYPALPQPNFKSLLPLAVHWHHTASKSLTCAWQQHEDHFELKYANTVMRFDYVWLRDHCRSASCYN SKTHQRSLDTASVDLCIKPKTIRLDETTLFFTWPDGHVTKYDLNWLVKNSYEGQKQKVIQPRILWNAEIYQQAQ VPSVDCQSFLETNEGLKKFLQNFLLYGIAFVENVPPTQEHTEKLAERISLIRETIYGRMWYFTSDFSRGDTAYTK LALDRHTDTTYFQEPGCIQVFHCLKHEGTGGRTLLVDGFYAAEQVLQKAPEEFELLSKVPLKHEYIEDVGECH NHMIGIGPVLNIYPWNKELYLIRLFKEKQNTVNRQWNSSLQCDIPERILTYRHFVSGTSIEHRGSLI
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Converts trimethyllysine (TML) into hydroxytrimethyllysine (HTML).

References

Molecular and biochemical characterization of rat epsilon-N-trimethyllysine hydroxylase, the first enzyme of carnitine biosynthesis.Vaz F.M., Ofman R., Westinga K., Back J.W., Wanders R.J.A.J. Biol. Chem. 276:33512-33517(2001)Research Topic:Metabolism

Note: This product is for in vitro research use only and is not intended for use in humans or animals.