

Recombinant Human ETHE1, His-tagged

Cat. No. ETHE1-28406TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 23-239 of Human ETHE1 with an N terminal His tag. Observed mwt: 25 kDa ;
Species	Human
Source	E.coli
ProteinLength	23-239 a.a.
Description	This gene encodes a sulfur dioxygenase that localizes within the mitochondrial matrix. The enzyme functions in sulfide catabolism. Mutations in this gene result in ethylmalonic encephalopathy.
Conjugation	HIS
Tissue specificity	Ubiquitously expressed.
Form	Lyophilised:Reconstitute with 117 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	ILLRQMFEPVSCTFTYLLGDRESREAVLIDPVLETAPRDA QLIKELGLRLLYAVNTHC

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acids

HADHITGSGLLRSLPGCQS VISRLSGAQADLHIEDGDSIRFGRFALETRASPGHTP
 GCVTFVLNDHSMRAFTGDALLIRGCGRTDFQQGCAKTLYHSV HEKIFTLPGDCLIYPA
 HDYHGFTVSTVEEERTLNPRLT LSCEEFVKIMGNNLNLPKPQQIDF

Sequence Similarities

Belongs to the metallo-beta-lactamase superfamily. Glyoxalase II family.

GENE INFORMATION

Gene Name [ETHE1 ethylmalonic encephalopathy 1 \[Homo sapiens \]](#)

Official Symbol [ETHE1](#)

Synonyms ETHE1; ethylmalonic encephalopathy 1; protein ETHE1, mitochondrial; HSCO; YF13H12;

Gene ID [23474](#)

mRNA Refseq [NM_014297](#)

Protein Refseq [NP_055112](#)

MIM [608451](#)

Uniprot ID [O95571](#)

Chromosome Location 19q13.32

Function hydrolase activity; metal ion binding;

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