

Recombinant Human ETHE1, His-tagged

Cat. No. ETHE1-28332TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length mature protein of Human ETHE1 (amino acids 13-254) with a N terminal His tag. 267 amino acids with a predicted MWt of 29.1kDa including the tag.
Species	Human
Source	E.coli
ProteinLength	242 amino acids
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
Molecular Weight	29.100kDa inclusive of tags
Tissue specificity	Ubiquitously expressed.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 10% Glycerol, 0.58% Sodium chloride

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSHTMLSQRG GSGAPILLRQ MFEPVSCFTFT YLLGDRESRE AVLIDPVLET APRDAQLIKE LGLRLLYAVN THCHADHITG SGLLRSLLPQ CQSVISRLSG AQADLHIEDG DSIRFGRFAL ETRASPGHTP GCVTFVLNDH SMAFTGDALL IRGCGRTDFQ QGCAKTYLHS VHEKIFTLPQ DCLIYPAHDY HGFTVSTVEE ERTLNPRLTL SCEEFVKIMG NLNLPKPQQI DFAVPANMRC GVQTPTA
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

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Chromosome Location	19q13.32
Function	hydrolase activity; metal ion binding;