

Recombinant Human Ethylmalonic Encephalopathy 1, His-tagged

Cat. No. ETHE1-1382H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ETHE1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography.
Species	Human
Source	E.coli
Description	ETHE1 is a mitochondrial sulfur dioxygenase involved in catabolism of sulfide that accumulates to toxic levels in ethylmalonic encephalopathy. Mutations of ETHE1 were detected in all the typical ethylmalonic encephalopathy patients analysed, but no ETHE1 mutations were identified in patients presenting with early onset progressive encephalopathy with ethylmalonic aciduria. Recombinant human ETHE1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
Molecular Weight	29.1 kDa (267aa)
Purity	> 90% by SDS-PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences of	MGSSHHHHHH SSGLVPRGSHMGSHMLSQRGGSGAPILLRQ MFEPVSCFT YLLG

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aminoacids

DRESRE AVLIDPVLET APRDAQLIKE LGLRLLYAVN THCHADHITGSGLLRSLLP
 CQSVISRLSG AQADLHIEDG DSIRFGRFAL ETRASPGHTP GCVTFVLNDH SMAFT
 GDALLIRGCGRTDFQQGCAKTLYHSVHEKIFTLPD DCLIYPAHDY HGFTVSTVEE E
 RTLNPRRTL SCEEFVKIMG NLNLPKPQQI DFAVPANMRCGVQTPTA

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

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

Official Symbol [ETHE1](#)

Synonyms ETHE1;ethylmalonic encephalopathy 1; HSCO; YF13H12; protein ETHE1, mitochondrial;ethylmalonic encephalopathy protein 1; hepatoma subtracted clone one protein

Gene ID [23474](#)

mRNA Refseq [NM_014297](#)

Protein Refseq [NP_055112](#)

MIM [608451](#)

UniProt ID [O95571](#)

Chromosome Location 19q13.32

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Function

hydrolase activity;metal ion binding

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