

Recombinant Human ETHE1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ETHE1-3409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ETHE1 MS Standard C13 and N15-labeled recombinant protein (NP_055112) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the metallo beta-lactamase family of iron-containing proteins involved in the mitochondrial sulfide oxidation pathway. The encoded protein catalyzes the oxidation of a persulfide substrate to sulfite. Certain mutations in this gene cause ethylmalonic encephalopathy, an infantile metabolic disorder affecting the brain, gastrointestinal tract and peripheral vessels. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	27.9 kDa
AA Sequence	MAEAVLRVARRQLSQRGGSGAPILLRQMFEPVSCTFTYLLGDRESREAVLIDPVLET APRDAQLIKELGLRLLYAVNTHCHADHITGSGLLRSLLPGCQSVISRLSGAQADLHIE DGDSIRFGRFALETRASPGHTPGCVTFVLNDHSMFTGDALLIRGCGRTDFQQGCA KTLYHSVHEKIFTLPGDCLIYPAHDYHGFTVSTVEEERTLNPRLTLSCEEVVKIMGNL NLPKPQQIDFAVPANMRCGVQTPTATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

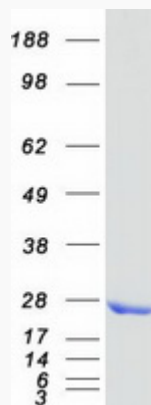
GENE INFORMATION

Gene Name	ETHE1 ethylmalonic encephalopathy 1 [Homo sapiens (human)]
Official Symbol	ETHE1
Synonyms	ETHE1; ethylmalonic encephalopathy 1; protein ETHE1, mitochondrial; HSCO; YF13H12; 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

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SDS-PAGE

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