

Recombinant Full Length Human ETHE1 Protein, GST-tagged

Cat. No. ETHE1-4740HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ETHE1 full-length ORF (NP_055112.2, 1 a.a. - 254 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	254 amino acids
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. [provided by RefSeq, Mar 2016]
Molecular Mass	54.3 kDa
AA Sequence	MAEAVLRVARRQLSQRGGSGAPILLRQMFEPVSCTFTYLLGDRESREAVLIDPVLET APRDAQLIKELGLRLLYAVNTHCHADHITGSGLLRSLPGCQSVISRLSGAQADLHIE DGDSIRFGRFALETRASPGHTPGCVTFVLNDHSMRAFTGDALLIRGCGRTDFQQGCA KTLYHSVHEKIFTLPGDCLIPAHDYHGFTVSTVEEERTLNPRLTLSCEEVVKIMGNL NLPKPQQIDFAVPANMRCGVQTPTA

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ETHE1 ethylmalonic encephalopathy 1 [Homo sapiens]
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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