

**ETHE1, 13-254aa, Human, His tag, E.coli**

**Cat.NO.: TP02055**

3th Edition

**Synonyms:**Protein ETHE1, mitochondrial.

**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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

**Molecular Weight:**29.1 kDa (267aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMLSQRGGSGAPILLRQMFEPVSCTFTYLLGDRESREAVLIDPVLETAPRDA  
QLIKELGLRLLYAVNTHCHADHITGSGLLRSL LPGQSISRSLSGAQADLHIEDGDSIRFGRFALETRASPGHTPGCV  
TFVLNDHSMAFTGDALLIRGCGRTDFQQGCAKTLYHSVHEKIFTLPGDCLIYPADYHGFTVSTVEEERTLNPRLTL  
SCEEFVKIMGNLNLPKPQQIDFAVPANMRCGVQTPTA

**Purity:**> 95% by HPLC

**Concentration:**1.0 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.