

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 LPGCSVISRLSGAQADLHIEDGDSIRFGRFALETRASPGHTPGCV
TFVLNDHSMAFTGDALLIRGCGRTDFQQGCAKTLYHSVHEKIFTLPGDCLIYPAHDYHGFTVSTVEEERTLNPRLTL
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.