

Product datasheet for SC201340

ETHE1 (NM_014297) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Symbol: ETHEI

Synonyms: HSCO; YF13H12

Mammalian Cell Neomycin

Selection:

Vector: pMirTarget (PS100062)

ACCN: NM_014297

Insert Size: 161 bp

Insert Sequence: >SC201340 3'UTR clone of NM_014297

The sequence shown below is from the reference sequence of NM_014297. The complete sequence of

this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

CGCTGTGGGGTGCAGACACCCACTGCCTGATCTCACTTCTGTCAGATGCTCCCATCCACTATTAATGCACTAGGTGGGAGGAGAGAGGGCGCAATGACACTGCACCTCTCCTTTCCCACCGCATTCCCTGGAGCTCCCT

AAATAAAACTTTTTTTAACGTGA

ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: Safl-Mlul

Our molecular clone sequence data has been matched to the sequence identifier above as a

point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms

(SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The

package also includes 100 pmols of both the corresponding 5' and 3' vector primers in

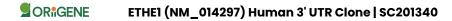
separate vials.



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Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um

filter is required.

RefSeq: <u>NM_014297.5</u>

Summary: 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]

Locus ID: 23474

MW: 6