

**ECHDC1, 1-307aa, Human, His tag, E.coli**

**Cat.NO.: TP01956**

3th Edition

**Synonyms:**Enoyl CoA hydratase domain containing 1, dJ351K20.2.

**Description:**ECHDC1, also known as enoyl CoA hydratase domain containing 1, belongs to the enoyl-CoA hydratase/isomerase family. Enoyl-CoA hydratase is an enzyme that hydrates the double bond between the second and third carbons on acyl-CoA. This enzyme is essential to metabolizing fatty acids to produce both acetyl CoA and energy. Recombinant human ECHDC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT, 0.1M NaCl

**Molecular Weight:**35.8 kDa(327aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMALKQEMAKSLLKTASLSGRTKLLHQTGLSLYSTSHGFYEEEVKKTLLQQFPGGSI  
DLQKEDNGIGILTLNPNPSRMNAFSGVMMLQLLEKVIENWTEGKGLIVRGAKNTFSSGSDLNAVKSLGTPEDGMA  
VCMFMQNTLTRFMRLPLISVALVQGWALGGGAEFTTACDFRLMTPESKIRFVHKEMGIIPSWGTTTRLVEIIGSRQA  
LKVLSGALKLDSKNALNIGMVVEVLQSSDETksLEEAQEWLkQFIQGPPEVIRALKKSVCSGRELYLEEALQNERDL  
LGTVWGGPANLEAIAKKGKFNK

**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.