
Product Data Sheet

Product Name: ECI1 Human
 Cat. No.: GP21593
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Enoyl-CoA delta isomerase 1; mitochondrial; 3;2-trans-enoyl-CoA isomerase; Enoyl-CoA Delta Isomerase 1; Delta(3);Delta(2)-enoyl-CoA isomerase; D3;D2-enoyl-CoA isomerase; Dodecenoyl-CoA isomerase; ECI1; DCI.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSFGSQRVL VEPDAGAGVA VMKFKNPPVN SLSLEFLTEL VISLEKLEND KSFRGVILTS DRPGVFSAGL DLTEMCGRSP AHYAGYWKAV QELWLRLYQS NLVLVSAING ACPAGGCLVA LTCDYRILAD NPYRCIGLNE TQLGIIAPFW LKDTLENTIG HRAAERALQL GLLFPPAEAL QVGIVDQVVP EEQVQSTALS AIAQWMAIPD HARQLTKAMM RKATASRLVT QRDADVQNFV SFISKDSIQK SLQMYLERLK EEKG.		
Formulation	ECI1 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Enoyl-CoA Delta Isomerase 1 (ECI1) is a main mitochondrial enzyme which takes part in beta-oxidation of unsaturated fatty acids. ECI1 is a member of the hydratase/isomerase superfamily. ECI1 catalyzes the transformation of 3-cis and 3-trans-enoyl-CoA esters to the 2-trans-enoylCoA intermediates.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ECI1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 284 amino acids (42-302 a.a.) and having a molecular mass of 31.1kDa. ECI1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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