

## 32-2302: ECI1 Recombinant Protein

**Alternative Name :** 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.

### Description

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

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** ECI1 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSFGSQRVL VEPDAGAGVA VMKFKNPPVN SLSLEFLTEL VISLEKLEND KSFGRVILTS DRPGVFSAGL DLTEMCGRSP AHYAGYWKAV QELWLRLYQS NLVLVSAING ACPAGGCLVA LTCDYRILAD NPRYCIGLNE TQLGIIAPFW LKDTLENTIG HRAAERALQL GLLFPPAEAL QVGIVDQVVP EEQVQSTALS AIAQWMAIPD HARQLTKAMM RKATASRLVT QRDADVQNFV SFISKDSIQK SLQMYLERLK EEKG.

