

DEC1, 35-335aa, Human, His tag, E.coli

Cat.NO.: TP01857

3th Edition

Synonyms:2,4-dienoyl-CoA reductase, mitochondrial, DECR, NADPH, SDR18C1.

Description:DEC1 is a mitochondrial protein that exists as a homotetramer and belongs to the family of shortchain dehydrogenases/reductases. It functions as an auxiliary enzyme of beta-oxidation and participates in the metabolism of unsaturated fatty enoyl-CoA esters.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT.

Molecular Weight:34.4 kDa (322aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMNTEALQSKFFSPLQKAMLPPNSFQGKVAFITGGGTGLGKGM TLLSSLGAQCVI
ASRKMDVLKATAEQISSQTGNKVHAIQCDVRDPDMVQNTVSELIKVAGHPNIVINNAAGNFISPTERLSPNAWKTITD
IVLNGTAFVTL EIGKQLIKAQKGA AFLSITTIYAETGSGFVVP SASAKAGVEAMSKSLAAEWGKYGMRFNVIQPGPIKT
KGAFSRLDPTGT FEKEMIGRIPCGR LGTVEELANLAAFLCSDYASWINGAVIKFDGGEEVLISGEFNDLRKVTKEQW
DTIEELIRKTKGS

Purity:> 95% by HPLC

Concentration:1 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.