DCI1 encodes an enzyme involved in the beta-oxidation of fatty acids. Dci1p is localized to the peroxisomal matrixand has delta-delta-dienoyl-CoA isomerase activity. In the absence of the dodecenoyl-CoA delta-isomerase Eci1p, Dci1p is also associated with an enoyl-CoA isomerase activity that can replace Eci1p. Dci1p also interacts with Eci1p in the two-hybrid system. Geisbrect et al.report that deletion of DCI1 causes a growth defect on oleic acid medium, but Gurvitz et al.found no defect. An additional studyfound no defect in growth of the null mutant on oleic acid, and also disputed the identification of Dci1p as a dienoyl-coA isomerase.