

Erratum

The paper entitled "Cloning, expression and characterization of a novel diketoreductase from *Acinetobacter baylyi*" (*Acta Biochim. Biophys. Sin.* 2009, 41, 163-170) has been found to contain an error on the native molecular weight of the enzyme.

In the recent studies on the diketoreductase (DKR), we have encountered an unexpected result on its native molecular weight, which is contradictory to previously reported value. To clarify the issue, we have repeated the experiments for several times to determine the molecular weight of DKR by gel filtration. The results were in the range of 55-62 kDa, indicating that DKR may exist as a homodimer at its native state.

Because the calibration curves with standard proteins (Sigma) in gel filtration were not perfectly reproducible, we further employed the technique of Dynamic Light Scattering

(Dynapro MS800, ProteinSolution) to measure the molecular weight of DKR at 5 mg/ml in 0.05 M potassium phosphate buffer (pH 7.5) at room temperature, and a size of 54 kDa was obtained at 633 nm with a 90° of scattering angle. Based on these collective data and the results from SDS-PAGE, the native form of DKR has been confirmed to be a homodimeric protein. We herein correct the previous statement on the molecular weight of DKR.