

Name: Phosphoenolpyruvate carboxykinase

Function: The enzyme phosphoenolpyruvate carboxykinase is responsible to catalyses the conversion of oxaloacetate to phosphoenolpyruvate in the pathway **gluconeogenesis**.

Information is from CDD and Uniprot.

Gene Ontology:

Molecular function: GTP binding; manganese ion binding; Phosphoenolpyruvate carboxykinase(GTP) activity.

Biological Process: gluconeogenesis.

Source: This protein is very well described in another species because is an important enzyme on gluconeogenesis.

On NCBI page this protein doesn't have a Swissprot number, so we did the BLAST and obtained an e-value=0.0 and Swissprot number O83159 with an annotation score 3 of 5.

We compared all information from CDD and Uniprot and it matched so we added the Swissprot number to the annotation.