

Name: 2,3-bisphosphoglycerate-dependent phosphoglycerate mutase

Function: This protein belongs to histidine phosphatase domain.

In generally this domains contains a His residue that is phosphorylated during the reactions.

The main function of this protein is to catalyse the interconversion of 2-phosphoglycerate and 3-phosphoglycerate.

2,3-BPG has a really important role on blood cells of human, so this protein is a bad drug target.

Gene Ontology:

Molecular function: 2,3-bisphosphoglycerate-dependent phosphoglycerate mutase activity.

Biological Process: gluconeogenesis; glycolysis.

Source: This protein has a Swissprot number P96121.1 in NCBI page and a very well described domain. The annotation on Uniprot have a score 3 of 5.

We compared the information in both database and eliminate this protein as possible drug target for *T. pallidum* treatment in humans.