

Name: GTP-binding protein YchF

Function: GTPases are important regulators of protein synthesis, cell cycle and differentiation (Teplyakov A. *et al* (2003)).

YchF is a conserved GTPase and the only whose function is unknown, however experimental data and genomic analysis suggests that ychF be part of a nucleoprotein complex and may function as a GTP-dependent translational factor.

Information is from CDD.

Source: To analyse this protein, we search for information on CDD and we did the BLAST but the e-value results was too high to considerate any function by homology.

Articles:

- Teplyakov, A., Obmolova, G., Chu, S. Y., Toedt, J., Eisenstein, E., Howard, A. J., & Gilliland, G. L. (2003). Crystal structure of the YchF protein reveals binding sites for GTP and nucleic acid. *Journal of bacteriology*, 185(14), 4031-4037.