CHE 4320 Spring 2019 Day 2: Sequence project begins! Group

Here is a UniProt entry number: Q7JR72

Answer these questions in Benchling (you can answer here for now and then transfer to Benchling later if you don’t have a computer; I will copy and paste a blank version into my Benchling notebook so you can copy and paste the questions from there for your electronic version).

This assignment is best completed individually or with two working together at first, then come back to your group and compare answers.

* What gene is your sequence from?
* What is this sequence called?
* What other information is available in UniProt? This is a chance to poke around this resource and explore what is there. Some things may make sense and others be unclear.
* Can you tell what this protein’s function is predicted to be? If so, what is it?
* What domain structure does your protein have? Feel free to include a screenshot.
* How many amino acids does it have?

Have one person in your group create a folder for your group and import the amino acid sequence from UniProt into that folder. Everyone should link to the sequence in their Benchling entry by typing @ followed by the sequence name. This will create a link in your Benchling notebook that will take you to the entry.

* Be sure to investigate the UniProt entry in Benchling. What information do you get?