

Interactome protocol

This protocol will allow you to use information online to search for all proteins that have been confirmed (by yeast-two-hybrid system and/or co-immunoprecipitation) to physically interact with a protein of interest.

Procedures

1. Go to <https://www.ebi.ac.uk/intact/>
2. Enter the gene name, such as *prkaa1*, into “Search in IntAct” box then click “search”
3. Click “interactors” tab. A drop down list of proteins that this protein, here AMPK α 1, has been documented to interact with will appear.
4. For each protein listed, click the link to UniProt.org, under the “Link” column.
5. Document the following information for each protein in an excel spreadsheet:
 - a. Protein name
 - b. Gene
 - c. Organism
 - d. Subcellular location (e.g. nucleus, cytoplasm, mitochondria, etc)