

530581 Cellular Biochemistry Spring Semester 2013 – Eleventh Quiz

Your Name:

Please try and answer **briefly**. Time: 15 minutes.

1. If under a certain condition the cell surface levels of a membrane protein are increased, how can one distinguish between increased transport to the surface and decreased transport from the surface? (2 pts; *General statement OK, no ref. to class I necessary.*)
2. In the last class we said that surface class I may cycle through endocytic compartments. Now in the early endosomes, the pH is slightly acidic (≈ 6), and class I peptide and β_2m binding are both acid-sensitive. What functional role, do you think, if any, could early endosome recycling play in class I presentation? (2 pts.)
3. What is a Rab? (1 pt.)

