> Reagents required

- 1. Destaining Solution (250mM TEAB with 100% ACN -1:1)
- 2. LCMS grade Acetonitrile (100%)
- 3. 200 mM TEAB in LCMS grade water
- 4. Trypsin (MS Grade)
- 5. LCMS grade ACN with 0.1 % Formic Acid
- 6. 0.1% Formic Acid in LCMS grade water



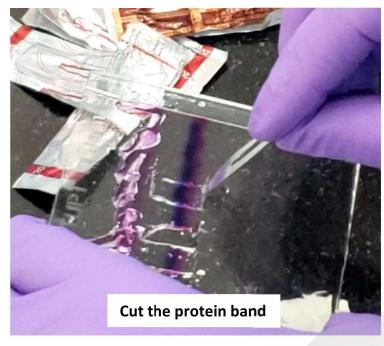
- > SDS-PAGE gel for Immunoprecipitated and all other samples
- 1. Run the sample just 1-cm in the resolving gel. [Do not resolve]
- 2. Keep **empty lanes** between different samples



- 1. Cut the gel bands using clean surgical blades
- 2. Use new blade for each new band

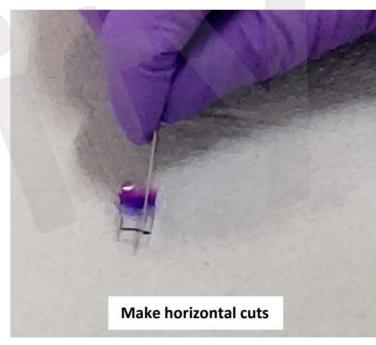


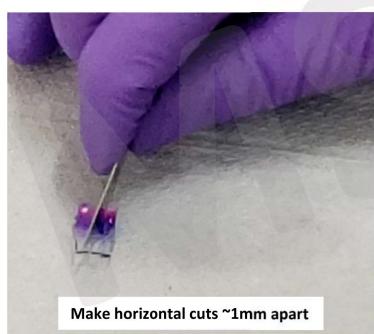
➤ Cutting a gel band for digestion (make 1mm x 1mm pieces)

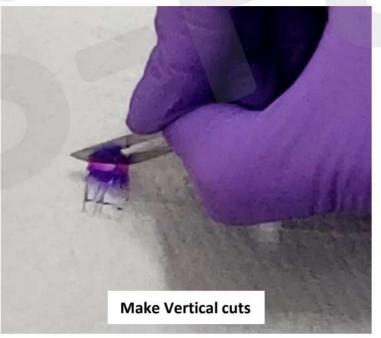


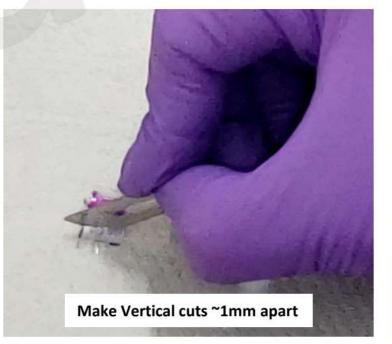














Prepared by Amrutha N., Pallavi H.U., Dr. Ankit J., Dr. Nirpendra S.

➤ Sample Preparation

- 1. The gel pieces were washed with LCMS grade water thrice. Vortexed and the supernatant was discarded.
- 2. The gel pieces were chopped and destained with 1:1 250 mM Triethyl ammonium bicarbonate (TEAB) with 100% acetonitrile (ACN). Then supernatant was discarded.
- 3. About 200ul of 100% ACN was added and kept it in room temperature till the gel pieces shrunk (turns white). The supernatant was discarded
- 4. Repeat step 3.
- 5. The gel pieces were dried for few minutes at RT.
- 6. Trypsin (1:50 :: Enzyme: Sample) with 100-200ul of 200mM TEAB (gel pieces should be completely inside TEAB) was added to gel pieces.
- 7. The samples were incubated on ice for 30 minutes.
- 8. The samples were kept for digestion at 37 °C for overnight.
- 9. 200ul of 100% ACN with 0.1% Formic acid was added to the sample and sonicated for 5 min. The supernatant was collected into a fresh tube.
- 10. Repeat step 8.
- 11. The supernatant was dried using Speed vac and reconstitute in 0.1% formic acid. Then desalting is done before injecting onto mass spec.