

**Materials List for:**

# Identification of Protein Interaction Partners in Mammalian Cells Using SILAC-immunoprecipitation Quantitative Proteomics

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## Materials

| Name                                    | Company                | Catalog Number | Comments                                                                                                  |
|-----------------------------------------|------------------------|----------------|-----------------------------------------------------------------------------------------------------------|
| Dulbecco's Modified Eagle Medium (DMEM) | Dundee Cell Products   | LM010          | DMEM lacking Arginine and Lysine. (and containing L-glutamine)                                            |
| Dialysed FBS (10 kDa cutoff) 500 ml     | Dundee Cell Products   | DS1003         |                                                                                                           |
| Arginine (R0) 25 g                      | Sigma-Aldrich          | A8094          | Resuspend 0.5 g in 6 ml PBS, filter sterilize, and freeze in 0.5 ml aliquots (gives a 84 mg/ml stock)     |
| Arginine (R6) 0.5 g                     | Cambridge Isotope Labs | CLM-2265       | Resuspend 0.5 g in 6 ml PBS, filter sterilize, and freeze in 0.5 ml aliquots (gives a 84 mg/ml stock)     |
| Arginine (R10) 0.5 g                    | Cambridge Isotope Labs | CNLM-539       | Resuspend 0.5 g in 6 ml PBS, filter sterilize, and freeze in 0.5 ml aliquots (gives a 84 mg/ml stock)     |
| Lysine (K0) 25 g                        | Sigma-Aldrich          | L8662          | Resuspend 0.5 g in 3.5 ml PBS, filter sterilize, and freeze in 0.5 ml aliquots (gives a 146 mg/ml stock)  |
| Lysine (K4) 0.5 g                       | Cambridge Isotope Labs | DLM-2640       | Resuspend 0.5 g in 3.5 ml PBS, filter sterilize, and freeze in 0.5 ml aliquots (gives a 146 mg/ml stock)  |
| Lysine (K8) 0.5 g                       | Cambridge Isotope Labs | CNLM-291       | Resuspend 0.5 g in 3.5 ml PBS, filter sterilize, and freeze in 0.5 ml aliquots (gives a 146 mg/ml stock)  |
| Penicillin/streptomycin, Liquid. 100 ml | Gibco                  | 15140-122      |                                                                                                           |
| Lipofectamine 2000 transfection reagent | Invitrogen             | 11668-027      |                                                                                                           |
| GFP-trap Agarose (500 µl resin)         | Chromotek              | gta-20         |                                                                                                           |
| 5x SDS Sample loading buffer            | Fisher Scientific      | PN39000        | The use of purchased rather than homemade sample buffer is recommended to minimize keratin contamination. |
| Protease inhibitor cocktail set III     | Calbiochem             | 539134         |                                                                                                           |
| 1.7 ml prelubricated tubes              | Costar                 | 3207           |                                                                                                           |
| BCA protein assay kit (1 L)             | Pierce                 | 23225          |                                                                                                           |
| Tris (Trizma)                           | Sigma-Aldrich          | T1503          |                                                                                                           |
| Ethylenediaminetetraacetic acid (EDTA)  | Sigma-Aldrich          | E6758          |                                                                                                           |
| Sodium chloride                         | Sigma-Aldrich          | S3014          |                                                                                                           |
| Rnase cocktail                          | Ambion                 | AM2286         |                                                                                                           |
| NP-40 alternative                       | Millipore              | 492016         |                                                                                                           |