

**Materials List for:**

# Mutagenesis and Analysis of Genetic Mutations in the GC-rich KISS1 Receptor Sequence Identified in Humans with Reproductive Disorders

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## Materials

| Name                                                        | Company                          | Catalog Number | Comments |
|-------------------------------------------------------------|----------------------------------|----------------|----------|
| 10x PCRx Enhancer Solution                                  | Invitrogen                       | 52391          |          |
| PfuUltra High-fidelity DNA Polymerase Alternative Detergent | Stratagene, Agilent Technologies | 600385         |          |
| Dpn-I                                                       | New England Biolabs              | R0176          |          |
| XL10-Gold Ultracompetent <i>E. coli</i> cells               | Stratagene, Agilent Technologies | 200314         |          |
| DMEM                                                        | Cellgro                          | 10-013-CV      |          |
| Fetal bovine serum                                          | Atlanta Biologicals              | S11550         |          |
| Geneporter Transfection Reagent                             | Genlantis                        | T201007        |          |
| Leupeptin                                                   | Calbiochem                       | 108975         |          |
| MG132                                                       | Calbiochem                       | 47491          |          |
| 10xPBS                                                      | Ambion                           | AM9625         |          |
| Protease inhibitor cocktail and PMSF                        | Santa Cruz Biotechnology, Inc.   | Sc-24948       |          |
| Pierce BCA Protein Assay Kit                                | Thermo Fisher Scientific, Inc.   | 23225          |          |
| anti-Myc tag (clone 4A6) agarose conjugate                  | EMD Millipore                    | 16-219         |          |
| 2x loading buffer                                           | Bio-Rad                          | 161-0737       |          |
| Criterion Tris-HCl precast gel, 4-15% gradient              | Bio-Rad                          | 345-0028       |          |
| Immobilon-FL PVDF membrane                                  | EMD Millipore                    | IPFL00010      |          |
| Odyssey Blocking Buffer                                     | LI-COR Biosciences               | 927-40000      |          |
| 10xTBS                                                      | Bio-Rad                          | 170-6435       |          |
| Rabbit anti-myc antibody                                    | Cell Signaling Technology        | 2272           |          |
| Goat anti-rabbit IRDye 800CW                                | LI-COR Biosciences               | 926-32211      |          |
| Odyssey Imaging Infrared System                             | LI-COR Biosciences               |                |          |
| Halt Protease Inhibitor Cocktail (100x)                     | Thermo Fisher Scientific, Inc.   | 78430          |          |