

Materials List for:

# Method for Efficient Refolding and Purification of Chemoreceptor Ligand Binding Domain

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## Materials

| Name                                                           | Company                       | Catalog Number | Comments |
|----------------------------------------------------------------|-------------------------------|----------------|----------|
| Tris base                                                      | AMRESCO                       | 497            |          |
| Sodium chloride (NaCl)                                         | MERK MILLIPORE                | 1064041000     |          |
| Ampicillin                                                     | G-BIOSCIENCES                 | A051-B         |          |
| Phenylmethanesulfonyl fluoride (PMSF)                          | MERCK                         | 52332          |          |
| Triton x-100                                                   | AMRESCO                       | 694            |          |
| Isopropyl β-D-thiogalactoside (IPTG)                           | ASTRAL SCIENTIFIC PTY LTD     | AST0487        |          |
| Urea                                                           | AMRESCO                       | VWRC0568       |          |
| Dithiothreitol                                                 | ASTRAL SCIENTIFIC PTY LTD     | C-1029         |          |
| L-arginine monohydrochloride                                   | SIGMA-ALDRICH                 | A5131          |          |
| Reduced L-glutathione                                          | SIGMA-ALDRICH                 | G4251          |          |
| Oxidized L-glutathione                                         | SIGMA-ALDRICH                 | G4376          |          |
| Sodium phosphate dibasic (Na <sub>2</sub> HPO <sub>4</sub> )   | SIGMA-ALDRICH                 | 7558-79-4      |          |
| Sodium phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> ) | SIGMA-ALDRICH                 | 10049-21-5     |          |
| Ethylenediaminetetraacetic acid disodium salt dehydrate (EDTA) | AMRESCO                       | VWRC20302.260  |          |
| Imidazole                                                      | SIGMA-ALDRICH                 | I2399          |          |
| Glycerol                                                       | ASTRAL SCIENTIFIC PTY LTD     | BIOGB0232      |          |
| Nickel chloride (NiCl <sub>2</sub> )                           | SIGMA-ALDRICH                 | 339350         |          |
| Glycine                                                        | AMRESCO                       | VWRC0167       |          |
| Sodium dodecyl sulfate (SDS)                                   | SIGMA-ALDRICH                 | L4509          |          |
| Unstained Protein Ladder, Broad Range (10-250 kDa)             | NEW ENGLAND BIOLABS           | P7703          |          |
| Amicon Ultracel centrifugal concentrator (Millipore)           | MERCK                         | UFC901096      |          |
| 50 mL Falcon tube                                              | FALCON                        | BDAA352070     |          |
| Dialysis tubing                                                | LIVINGSTONE INTERNATIONAL PTY | Dialysis       |          |
| Snakeskin dialysis tubing                                      | THERMO SCIENTIFIC™            | 68100          |          |
| Prepacked HiTrap Chelating HP column                           | GE HEALTHCARE LIFE SCIENCES   | 17-0408-01     |          |

|                                                 |                             |                  |  |
|-------------------------------------------------|-----------------------------|------------------|--|
| EmulsiFlex-C5 high-pressure homogeniser         | AVESTIN                     | EmulsiFlex™ - C5 |  |
| Peristaltic Pump P-1                            | GE HEALTHCARE LIFE SCIENCES | 18-1110-91       |  |
| Superdex 200 HiLoad 26/60 size-exclusion column | GE HEALTHCARE LIFE SCIENCES | 28989336         |  |
| JASCO J-815 spectropolarimeter                  | JASCO                       | J-815            |  |