



Cell Engineering

Recombinant cell line development services for wide protein classes

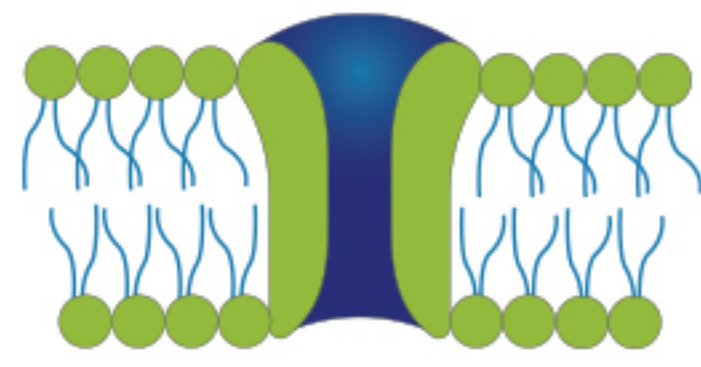
Tool Reagents | Biologic Production

Cell Engineering

Why Aurigene Services?



Recombinant cell lines for wide protein classes viz. RTK, GPCR, transporters, ion channels, dual or co-receptors, immune modulation (ligand/receptors) and cell adhesion molecules



Complex target recombinant cell lines



Cell line with specific receptor numbers



Double or multiple gene KD / KO cell lines



Immune cells (T-cells / B-cells) reporter cell lines



In-house lentiviral platform for producing difficult to express reagent proteins

Recombinant cell line types:

Membrane bound receptor cell lines | Knock-Down (KD) cell lines | Knock-Out (KO) cell lines | Inducible cell lines | Reporter cell lines | Protein production cell lines (reagent & therapeutic)

Technologies:

Standard (Lipid / nanoparticle) | Electroporation | Transposon | Lentiviral / Retroviral | Tet or Cumate induction | CRISPR/Cas9 | TALEN | ZFN | siRNA / shRNA | Fluorescent protein and Luciferase

Screening:

Recombinant cell lines: Flow cytometry | Western blot | qRT-PCR | Sequencing

Protein production cell lines: ELISA | ClonePix | PA-HPLC | Octet

Quality Checks:

Recombinant cell lines:

Thaw test | Mycoplasma | Receptor density estimation | Clone stability analysis

Protein production cell lines:

Clone stability analysis (30 generation) | Mycoplasma | Endotoxin | Bacterial contamination | SE-HPLC | LC-MS analysis Glycoform and charge variant analysis