

# ZR-75-1 [XI-35] cell line

**Catalogue number:** 154582

**Sub-type:** Continuous

**Images:**

## Contributor

**Inventor:** Lambert Dorssers

**Institute:** Erasmus University Medical Center (Erasmus MC)

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** ZR-75-1 [XI-35] cell line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** Breast cancer is widely and effectively treated with endocrine treatment. However, in many cases the tumours will eventually progress into an estrogen-independent and therapy-resistant phenotype. Retroviral insertion mutagenesis was used to generate this cell line in order to elucidate the molecular mechanisms underlying endocrine therapy failure. Using this method the main genes conferring estrogen independence in human breast cancer cells were identified. Genes located in the immediate pr...

**Purpose:**

**Parental cell:** ZR-75-1

**Organism:** Human

**Tissue:** Breast

**Model:** Cancer Model

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** ZR-75-1 cells were infected with amphotropic, defective murine retrovirus and

plated in medium containing 1uM of 4-hydroxy-tamoxifen. Within 5 weeks after the start of selection proliferating colonies were individually picked and expanded to stable cell lines

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Breast cancer anti-estrogen resistance genes; NCOR2

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:** Cell line with a common Virus Integration Site, which may be responsible for estrogen independence: NCOR2 and additional integration in STARD4

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** RPMI 1640 medium supplemented with 10% heat-inactivated bovine calf serum (RBCS)

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:** Liquid Nitrogen

**Shipping conditions:** Dry ice

## Related tools

**Related tools:**

## References

**References:** van Agthoven et al. 2009. Breast Cancer Res Treat. 114(1):23-30. PMID: 18351453.

CancerTools.org