Xist-TetOP mutant: DeltaB+1/2C cell line

Catalogue number: 160725
Sub-type: Continuous
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Xist-TetOP mutant: DeltaB+1/2C cell line

Alternate name:

Class:
Conjugate:
Description: Deletion of mouse Xist lncRNA to dissect specific RNA modules in the process of X-chromosome inactivation.
Purpose:
Parental cell: Xist-TetOP XY ESCs (Wutz et al., 2002 PMID: 11780141)
Organism: Mouse
Tissue:
Model: Stem Cells
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties: Disruption of Polycomb recruitment to the inactive X-chromosome.
Production details: CRISPR/Cas9 genome editing of the Xist-TetOP XY ESC line
Formulation:
Recommended controls: Xist-TetOP XY ESCs (Wutz et al., 2002 PMID: 11780141)
Bacterial resistance:
Selectable markers:
Additional notes:

Cancer Research Technology Limited (trading research tools as Ximbio) has been granted a non-exclusive license to the CRISPR-Cas9 technology by ERS Genomics Ltd under the patent rights listed here. This license from ERS Genomics Ltd allows Ximbio to develop and commercialise CRISPR-Cas9 modified cell lines for research use only. Ximbio can provide these modified CRISPR-Ca...

Target details

Target: Mouse Xist lncRNA

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium: ESCs grow in feeder-free classic ESC medium DMEM media containing 15% fetal bovine serum (FBS), 103 U/ml leukemia inhibitor factor (LIF), 10-4 mM 2-mercaptoethanol, 50 U/ml penicillin, and 50 ?g/ml of streptomycin (Gibco) at 37??Â°C in 5-8% CO2. Medium is changed daily Inducible expression of Xist driven by a TetO promoter is achieved by adding DOX (1.5 ?g/ml).
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry ice

Related tools

Related tools: Xist-TetOP mutant: ?B cell line ; Xist-TetOP mutant: ?C cell line

References

References: de Matos et al. 2019. Cancers (Basel). 11(3):. PMID: 30897760.