HeLa EGFP-Histone H2B Cell Line

Catalogue number: 152940
Sub-type: Continuous
Images:

Contributor

Inventor: Francis Barr
Institute: University of Liverpool
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: HeLa EGFP-Histone H2B Cell Line

Alternate name: Histone H2B

Class:
Conjugate:
Description: The human histone H2B gene was fused to the gene encoding the enhanced green fluorescent protein (EGFP) and transfected into human HeLa cells to generate a stable line constitutively expressing H2B-GFP. The H2B-GFP fusion protein was incorporated into nucleosomes without affecting cell cycle progression. The cell line allows high-resolution imaging of both mitotic chromosomes and interphase chromatin.
Purpose:
Parental cell: HeLa
Organism: Human
Tissue: Cervix
Model: Reporter
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls:

HeLa parental line
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium: DMEM, 10% FBS, 5% CO2, 37??Â°C. Antibiotic resistance for selection of GFP positive cells: 4 ?g/ml Blasticidine, expression of GFP is quite stable but selecting at least every two passages is recommended.
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions: Liquid Nitrogen
Shipping conditions: Dry ice

Related tools

Related tools: HeLa mCherry-Histone H2B EGFP-Alpha Tubulin Cell Line

References

References: Durrant et al. 2006. Cancer Res. 66(11):5901-9. PMID: 16740730. ; A new anticancer glycolipid monoclonal antibody, SC104, which directly induces tumor cell apoptosis. ; Durrant et al. 1993. Hybridoma. 12(6):647-60. PMID: 7507082. ; Development of second generation monoclonal antibodies recognising Lewisy/b antigen by anti-idiotypic immunisation.