

My Account

Login
Create Account

Resources

View All (813)
Adenoviruses (137)
Antibodies (175)
Bioimages (67)
Genomics Studies (145)
mESC Lines (68)
Mouse Strains (120)
Miscellaneous (46)
Protocols (55)
Research Data (4)
Resource Tags (389)
Visualization (9)

Research & Cores

Core Facilities (5)
Research Highlights (5)
Research Networks
Research Objectives

Information

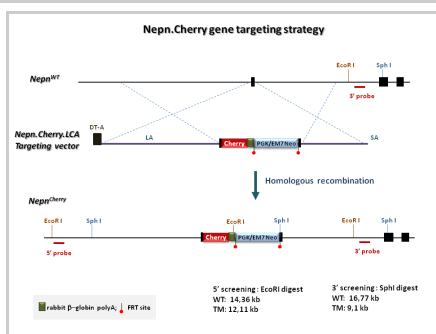
About the BCBC
BCBC Events
Branding & Logos
Career Opportunities
Health
NIH hESC Registry
Policies & Guidelines
Member Publications
Research Programs
Research Investigators
Member Directory
Tutorials

Nepn^{Cherry} - ES Cell Line RES4154**ESC Line Information**

Cell Line Name:	Nepn ^{Cherry}
Parental Cell Line:	TL-1
Background Strain:	129
Culturing Protocol:	Std_mESC_Culture.doc
Description:	This ES cell line was made by gene targeting and was designed to express red fluorescent protein (mCherry) from the Nepn promoter thereby disrupting the expression of Nepn. The FP coding sequence was inserted downstream of the Nepn start codon, in front of the Nepn first exon. This cell line is used to study the function and expression of Nepn.


Genetic Alterations**1) Targeted Mutagenesis**

Type of Allele	Global Null
Targeted Gene	Nephrocan (Nepn - NCBI GeneID:66650)
Targeted Allele	<i>Not provided</i> (Nepn(mCherry))
Description of Targeting Vector	The targeting vector is made by BAC recombineering and contains 8392 bp 5' and 3210 bp 3' homology arms. The 5' homology arm is followed by an mCherry-rabbit beta globin poly-A sequence and a FRT-flanked PGK-EM7-Neo cassette that is used for positive selection by Neomycin (targeting events).
Targeting Vector Genbank File	pbs.dtanepn.cherry.gb
Citations	Not Available


Associated Images**Image 1**

Description:

Reference:
*Not provided***Access Status**

 This resource is publicly viewable.


Request this Resource


 Request from a repository

Primary contributor: [Magnuson Lab](#)
Co-contributed by:
• [BCBC Mouse / ES Cell Core](#)

Resource Tags


embryonic, es, esc, Nepn^{Cherry}, stem, TL-1

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Resource History & Actions

Approved on Dec 22, 2011
Last modified on Jan 03, 2012

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Related resources**BCBC**


No matching resources

Other Consortia

No matching resources

Data courtesy of [dkCOIN](#). Only public resources are displayed.

Repositories**Magnuson Lab**

 Request this resource

Stock #: *Not provided*
Availability Notes: *Not provided*

Contact Information**Preferred Contact**

Name: Mark Magnuson

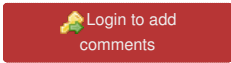
Institution	Vanderbilt University
Phone	615-322-7006
Email	mark.magnuson@vanderbilt.edu

Associated Publications

No publications associated

Comments

There are no comments for this entry.



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