### Rosa26R26-60-AR8-TA-mCherry - ES Cell Line RES2762

**ESC Line Information**
- **Cell Line Name:** Rosa26/R26-60-AR8-TA-mCherry
- **Parental Cell Line:** TL-1 / Rosa26(LCA) clone 5B9
- **Background Strain:** 129
- **Culturing Protocol:** `std_mesc_culture.doc`
- **Description:** In these cells Rosa26 gene sequences from -60 to +81 were replaced by an Activin response element (AR8) fused to a TATA-mCherry reporter

**Genetic Alterations**

1) **RMCE Targeted Mutagenesis**

<table>
<thead>
<tr>
<th>Type of Allele</th>
<th>Cassette Acceptor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted Gene</td>
<td>gene trap ROSA 26, Philippe Soriano (Gt(Rosa26))</td>
</tr>
<tr>
<td>Targeted Allele</td>
<td>targeted mutation 1 (Rosa26tm1(LCA), MGI:104735)</td>
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</tbody>
</table>

**Description of Targeting Vector**
The Rosa 26 cassette acceptor allele was created by replacing a 5.165 kb region of this gene containing exon 1 with a floxed tk-neo cassette, a puromycin-delta-thymidine kinase fusion gene driven by the mouse phosphoglycerol kinase promoter (pu-deltaTK) and a neomycin resistant gene driven by the bacterial EM7 promoter (EM7neo) flanked by minimal (34 bp) tandemly oriented lox71 and lox2272 sites.

#### Targeting Vector Genbank File
- `pRosa26.LCA.gb`

#### Recombinase-Mediated Cassette Exchange Stage

**Type of Allele:** Gene Replacement

<table>
<thead>
<tr>
<th>Exchanged Cassette Gene</th>
<th>Not provided. (R26-60 AR8-TA-mCherry)</th>
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</thead>
<tbody>
<tr>
<td>Exchanged Cassette Allele Name</td>
<td>Rosa26R26-60-AR8-TA-mCherry</td>
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</table>

**Description of Exchange Vector**
- not available

**Exchange Vector Genbank File:** `pr2660_ar8_tacherry.gb`

**Citations**
- Not Available

**Access Status**
- This resource is publicly viewable.

**Request this Resource**
- **Request from a repository**
  - **Primary contributor:** Palle Serup
  - Co-contributed by: BCBC Mouse / ES Cell Core

**Resource Tags**

| embryonic, es, esc, Rosa26LCA clone 588, Rosa26R26-60-AR8-TA-mCherry, stem |
|----------------------------------|----------------------------------|

**Resource History & Actions**
- **Approved on Jan 20, 2010**
- **Last modified on Mar 30, 2010**

**Related resources**
- **BCBC**
  - No matching resources

**Other Consortia**
- No matching resources

**Repositories**

**Magnuson Lab**
- **Stock #:** BCBC2762
- **Availability Notes:** Not provided

**Contact Information**

<table>
<thead>
<tr>
<th>Preferred Contact</th>
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<tbody>
<tr>
<td>Name</td>
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<tr>
<td>Institution</td>
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<td>Phone</td>
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</table>
Associated Publications

No publications associated

Comments

There are no comments for this entry.