B6;129S-Gt(ROSA)26Sor\textsuperscript{tm32(CAG-CFP4*H134R/EYFP)Hze}\textsuperscript{J}  
NOT AVAILABLE TO COMPANIES OR FOR COMMERCIAL USE  

Additional Use Restrictions Apply  

Stock No: 012569 | Ai32 or Ai32(RCL-ChR2(H134R)/EYFP)  

Gene Trap, Targeted Mutation  

Overview  

Also Known As: Ai32 or Ai32(RCL-ChR2(H134R)/EYFP)  
A C57BL/6J congenic version of this strain is available as Stock No. 024109.  
Ai32 mice express an improved channelrhodopsin-2/EYFP fusion protein following exposure to Cre recombinase. These mice can be used in optogenetic studies for rapid in vivo activation of excitable cells by illumination with blue light (450–490 nm).  

Genetic overview  

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Gt(ROSA)26Sor\textsuperscript{tm32(CAG-CFP4*H134R/EYFP)Hze}</td>
<td></td>
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</table>

 Allele Type | Gene Symbol | Gene Name |
-------------|-------------|-----------|
 Targeted (Reporter) | Gt(ROSA)26Sor | gene trap ROSA 26, Philippe Soriano |

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