



## ***ck2Tg* /+(AB) (CZRC catalog ID: CZ150)**

### **Nature of the transgene**

Kaede is a fluorescent protein from the stony coral *Trachyphyllia geoffroyi*. The protein emits bright green fluorescence after synthesis, but changes efficiently to a bright and stable red fluorescence on irradiation with UV or violet light. The expression of *ck2Tg* fluorescence in brain, central nervous system, eye and hatching gland at 24hpf.

### **Genotyping assay**

Genotyping of the *ck2Tg* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable at 24 hpf.

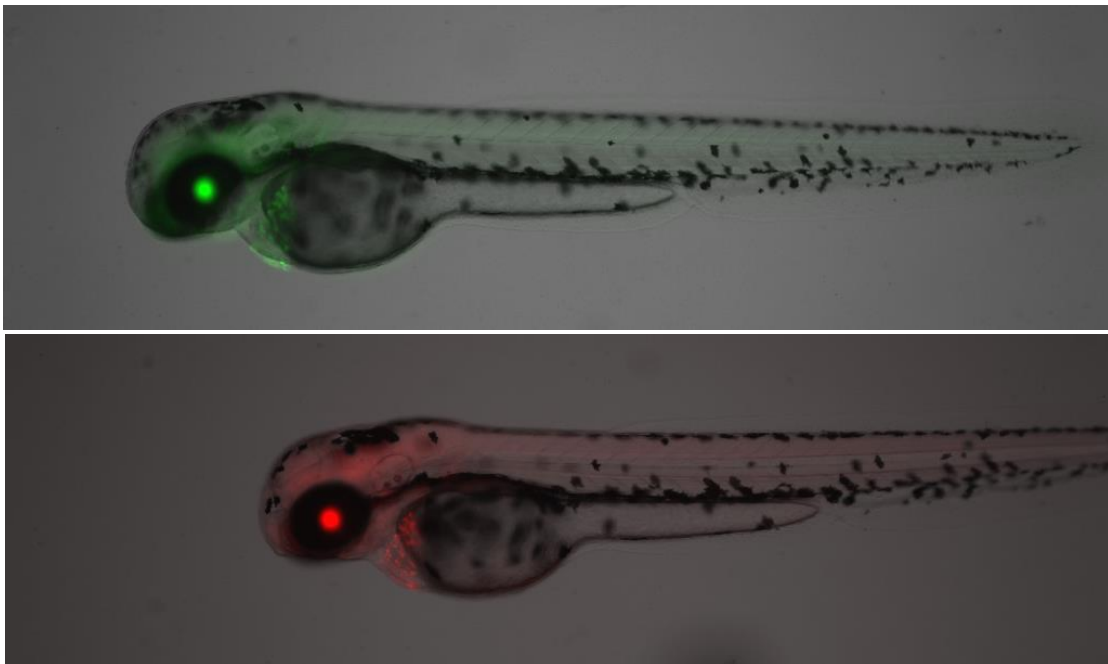


Figure. GFP expression in the lateral line at 48 hpf in *ck2Tg* line. The figure shows the lateral view of *ck2Tg* embryos at 48 hpf.





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China Zebrafish Resource Center (CZRC)  
National Aquatic Biological Resource Center (NABRC)

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## Reference

Moon, H.Y., Kim, O.H., Kim, H.T., Choi, J.H., Yeo, S.Y., Kim, N.S., Park, D.S., Oh, H.W., You, K.H., De Zoysa, M., and Kim, C.H. (2013) Establishment of a transgenic zebrafish EF1 $\alpha$ :Kaede for monitoring cell proliferation during regeneration. *Fish & shellfish immunology*. 34(5):1390-1394.

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