

***ioz16Tg/+* (AB) (CZRC Catalog ID: CZ 1247)**

Nature of the mutation

The *ioz16Tg* allele is a transgenic zebrafish line *Tg(nkx2.3:EGFP-CAAX)* in which the zebrafish 5.5 kb upstream of the *nkx2.3* translational start drives EGFP expression in pharyngeal ectoderm.

Genotyping assay

Genotyping of the *ioz16Tg* allele is based on the fluorescent microscopy. The initial EGFP expression was observed in the pharyngeal ectoderm at 60 hpf.



Figure. A transgenic zebrafish line *Tg(nkx2.3:EGFP-CAAX)*. The EGFP expression were observed in the pharyngeal ectoderm at 60 hpf.

Reference

Li, L., Ning, G., Yang, S., Yan, Y., Cao, Y., Wang, Q. BMP signaling is required for *nkx2.3*-positive pharyngeal pouch progenitor specification in zebrafish. *PLoS Genet.* 2019 Feb 14;15(2):e1007996. doi: 10.1371/journal.pgen.1007996. eCollection 2019 Feb.