



***pku1Et* /+(AB) (CZRC catalog ID: CZ42)**

Nature of the transgene

The *pku1Et* allele was generated from a large-scale Tol2 transposon-based enhancer trap screen in which mp235b was identified as a transgenic fish line that trapped *wdr18*, a gene encoding a WD-repeat protein of 431 amino acids. From 30 hpf and thereafter, GFP was expressed in the endodermal organs of *pku1Et*. Besides the pancreatic region, GFP was expressed transiently in the liver and foregut at 2 dpf, while it was restricted to the exocrine pancreas from 3 dpf

Genotyping assay

Genotyping of the *pku1Et* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable at 72 hpf.



Figure. GFP expression in the lateral line at 6 dpf in *pku1Et* line. The figure shows the lateral view of *pku1Et* embryos at 6 dpf.

Reference

Gao, W., Xu, L., Guan, R., Liu, X., Han, Y., Wu, Q., Xiao, Y., Qi, F., Zhu, Z., Lin, S., and Zhang, B. (2011) *Wdr18* Is Required for Kupffer's Vesicle Formation and Regulation of Body Asymmetry in Zebrafish. *PLoS One*. 6(8):e23386

