

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.

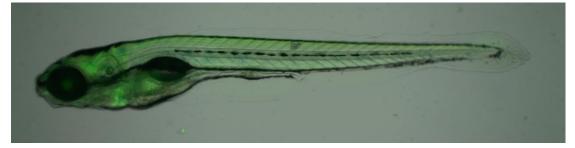


Figure. GFP expression in the lateral line at 6 dpf in *pku1Et* line. The figure shows the lateral view of *pku1Et* embryos at 6 dpf.

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

