
***Lca5*^{hzu7/+} (AB) (CZRC catalog ID: CZ1277)**

Nature of mutation

Hzu7 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. 18-21 bp of the wild-type *lca5* coding sequence, TAAT, is deleted from exon 2.

Genotyping assay

Primers:

Hzu7_forward: 5' AGACAGCTTGAGTGTTGAGTGT 3'

Hzu7_reverse: 5' TCTGCTCTGTGCATGATCCC 3'

PCR program:

94°C	4min	
94°C	30 sec	} 30 Cycles
56°C	30 sec	
72°C	30 sec	
72°C	5min	
4°C	hold	

Product size: 337 bp

Reference

Qu Z, Yimer T A, Xie S, et al. Knocking out *lca5* in zebrafish causes cone-rod dystrophy due to impaired outer segment protein trafficking[J]. *Biochimica et Biophysica Acta (BBA)-Molecular Basis of Disease*, 2019, 1865(10): 2694-2705.