

***slc45a2*<sup>ihb65/+</sup> (AB) (CZRC catalog ID: CZ145)**

**Nature of mutation**

ihb 65 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 491 bp and 506 bp of the wild-type *slc45a2* coding sequence, CGTGGTGGTGATGT, is deleted. The mutated *slc45a2* codes for a truncated protein containing 169 aa, 163 aa of which is identical to wildtype *slc45a2*.

**Genotyping assay**

**Primers:**

Ihb65\_forward: 5' CAAACTGGTGAGCTACAAGTAG 3'

Ihb65\_reverse: 5' GTTATACATAGCGGAAACGG 3'

**PCR program:**

94°C 4min  
94°C 30 sec } 30 Cycles  
55°C 30 sec }  
72°C 30 sec }  
72°C 5min  
4°C hold

**Product size: 460 bp**

**The sequencing results of the parents:**

CZ145 (+/-) AAGGACATGGGCCATCGTGGTGGTGATGTTTGGAGTG (wild-type)

