
***Esr2a*^{ihb296/+} (AB) (CZRC catalog ID: CZ1205)**

Nature of mutation

Ihb296 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 282 bp to 283 bp of the wild-type *esr2a* coding sequence, GC, is inserted. The mutated *esr2a* codes for a truncated protein containing 137 aa, 94 aa of which is identical to wildtype *esr2a*.

Genotyping assay

Primers:

Ihb296_forward: 5' TCACCATGACACACATCAACAG 3'

Ihb296_reverse: 5' ACCTGTTTTCTCTTCAACATG 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: 467 bp

NOTE: Unpublished material, further MTA (MATERIAL TRANSFER AGREEMENT (For Non-Profit Recipients), attached) needed from the Yong-Hua Sun Lab.

MATERIAL TRANSFER AGREEMENT (For Non-Profit Recipients)

Dr. SUN Yonghua of China Zebrafish Resource Center, Institute of Hydrobiology, Chinese Academy of Sciences, China hereafter called the PROVIDER, agrees to SEND, and _____ of _____ hereafter called the RECIPIENT, agrees to RECEIVE, upon the terms hereinafter set forth, the following described material(s).

A. The PROVIDER agrees to transfer to the RECIPIENTS the following material(s).

Name of material	Description of material	Amount	The CREATOR

B. The material is to be used solely for teaching and academic research purposes in the RECIPIENT's laboratory only.

C. The material cannot be used for any commercial purpose, in human subjects, in clinical trials, or for diagnostic purposes involving human subjects.

D. Should use of this material result in one or more scientific publication(s), please include the CREATOR (_____) as co-author in the publication(s).

E. The material cannot be transferred to laboratories of for-profit companies.

F. The material cannot be transferred to any other non-profit laboratories without the prior written consent of the PROVIDER.

PROVIDER (Principle Investigator)

Signature: _____

Date: _____

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RECIPIENT (Principle Investigator)

Signature: _____

Date: _____

Name (print): _____

Title: _____

Mailing Address: _____

Phone number: _____

Fax number: _____

E-mail: _____