

## **BHLHE40 FLOX/FLOX MICE**

Edelson, Brian Gill, John

T-019054

The Bhlhe40 flox/flox mice on the C57BL/6 background originated as a KO-first promoter-driven mouse line from the Knockout Mouse Project and were purchased from the Jackson Laboratory. These initial mice contained a Bhlhe40 allele with a splice acceptor-LacZ reporter and a Neo cassette flanked by two Frt sites, which were removed by crossing them to B6N.129S4-Gt(ROSA)26Sortm1(FLP1)Dym/J mice leaving behind an allele of Bhlhe40 with a loxP-flanked exon 4. Subsequent crosses yielded Bhlhe40 flox/flox mice with no residual Rosa26-Flp transgene. This research tool will be useful in determining the role of Bhlhe40 in individual cells or at specfic times *in vivo*.

Publication: Bhlhe40 is an essential repressor of IL-10 during Mycobacterium tuberculosis infection