

# Tagging proteins in mice

Fusion proteins have wide utility ranging from live cell or whole animal imaging to CHIP-seq. We have produced mouse lines that express a diversity of protein tags including fluorescent proteins, the HaloTag system, which is useful for cell imaging and protein analysis (Los et al., 2008), and smaller epitope tags, such as the ALFA-tag for nanobody-based applications (Gotzke et al., 2019). In designing a fusion protein, it is important to consider its intended use, which tag to use and its placement, and whether the tag could interfere with proper cellular localization or function of the fusion protein. We can help you work through these considerations, assist in choosing optimal guide RNAs, and maximize your chances of obtaining a fusion protein model that achieves your research needs.

**Keywords:** [fusion proteins](#) [HALOTag](#) [ALFA-tag](#) [Genome Editing](#)

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