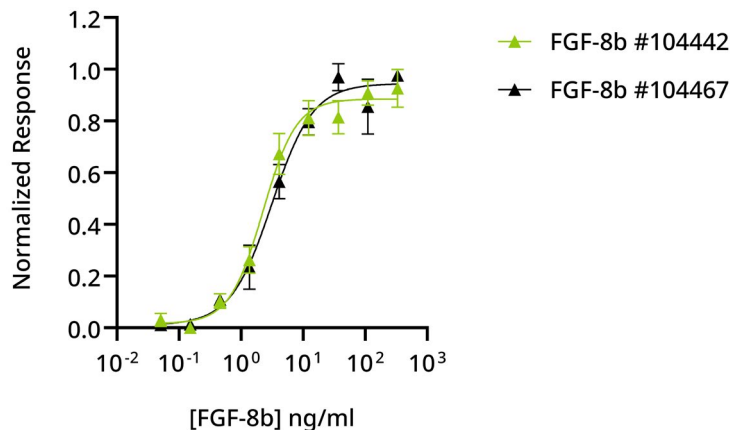


# Qkine animal origin-free Fibroblast Growth Factor 8b produces consistently high bioactivity lot-to-lot

Technote

FGF-8b (Qk057)



## Qkine FGF-8b (Qk057) protein has exceptional lot-to-lot consistency.

Bioactivity was determined using a firefly luciferase reporter assay in stably transfected HEK293T cells. Cells were treated with a serial dilution of independent lots of FGF-8b for 3 hours in triplicate.

Fibroblast growth factor 8b (FGF-8b) is a spliced form of FGF-8, a member of the FGF family. FGFs regulate many developmental and cellular processes including proliferation, survival, angiogenesis and tumorigenesis. FGF-8b is involved in the regulation of embryogenesis and is commonly used for the differentiation of induced pluripotent stem cells (iPSC) into neural cell types and for brain organoid cultures.

Qkine FGF-8b (Qk057) is animal origin-free (AOF), carrier protein-free, tag-free and non-glycosylated to ensure high and consistent bioactivity.

### Qkine FGF-8b (Qk057) lot validation

- ▶ Independent lots of FGF-8b (Qk057) were tested using a luciferase reporter assay in HEK293T cells.
- ▶ Qkine recombinant human FGF-8b lots showed a very narrow bioactivity range with EC50s of 0.1-0.13 pM.

Qkine FGF-8b (Qk057) has consistent bioactivity lot-to-lot. Qkine tests all newly manufactured lots against previous lots ensuring exceptional consistency and allowing increased reproducibility for iPSC culture and differentiation.