

# Somatropin Biosimilar - Research Grade

**Product Code:** ICH5873

**More Information**

**Species Reactivity:** Human

**Target:** GHR $\alpha$

**Concentration:** 5mg/ml

**Host:** CHO Cells

**product name H2:** Somatropin Biosimilar - Research Grade

**Sequence:** <https://www.imgt.org/mAb-DB/>

**Buffer:** ICH3002

**UniProt:** P10912

**Shipping Conditions:** Blue ice

**background:** Growth hormone acts through the growth hormone receptor (GHR) to regulate growth, metabolism, and tissue repair. This research-grade product is a non-therapeutic analog of somatropin, a recombinant human growth hormone protein rather than an antibody, provided strictly for research use only. It is manufactured to in vivo standards in a low-endotoxin format and offered in scalable milligram to gram quantities to support heavy-usage and high-throughput laboratories. The reagent is suited to receptor-activation functional assays, in vitro signaling and proliferation studies, and in vivo models exploring growth-hormone biology. The reagent is intended to deliver consistent, reproducible performance for heavy-usage research workflows.

**Purification Method:** This monoclonal antibody was purified using Protein A

**Formulation:** Sterile, preservative-free, solution in PBS. BSA and Azide free.

**Purity:** >90% by SDS-PAGE



**Endotoxin:**  $\leq 1.0$  EU/mg as determined by the LAL method

**Storage:** This biosimilar is stable when stored at 2-8°C. For longer term storage (> 3 months) it is recommended to store this antibody at -20°C or -70°C.

**Applications:** Functional Assays

**Application Notes:** This biosimilar is for research use only (RUO): it is not for diagnostic or therapeutic procedures and cannot be purchased by patients.

**Use:** Products are for research use only. Not for use in diagnostic or therapeutic procedures.

**Delivery Time:** 3-4 weeks