

Data Sheet

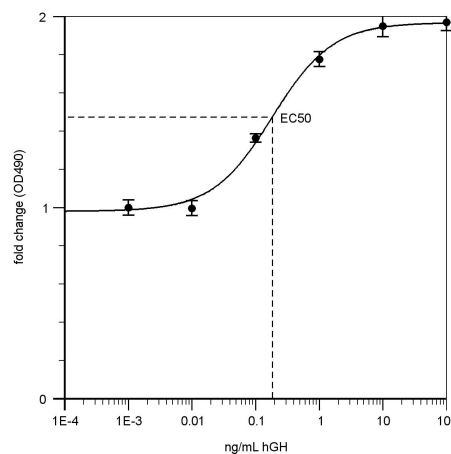
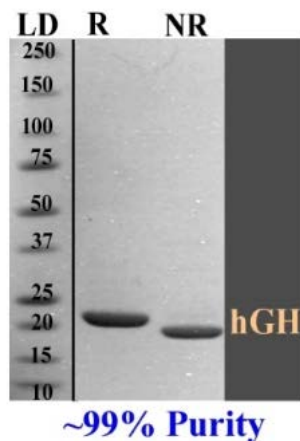
Human Growth Hormone (hGH) (carrier-free)

SKU No.: 04-3010, 04-3025, 04-3100, 04-3500, 04-31000

Description	TriAltus hGH is human recombinant protein produced from <i>E. coli</i> in soluble form using our CL7 tag technology
EC₅₀ (Half-maximal Effective Concentration)	~0.2 ng/mL measured by a cell proliferation assay using 32D-rGHR cells (Insulin receptor substrate-1 enhances growth hormone-induced proliferation, Liang L, Zhou T, Jiang J, Pierce JH, Gustafson TA, Frank SJ. <i>Endocrinology</i> . 1999 May;140(5):1972-83. doi: 10.1210/endo.140.5.6724.PMID: 10218944)
Storage/Shipping Concentration	10-25ug sizes are supplied at 200ug/mL in PBS. Larger sizes are lot-specific and bottled at the concentration indicated on the vial. Contact technical support for more information.
Shipping Conditions	Shipped on Blue Ice
Recommended Storage Conditions	-80°C. Avoid repeated freeze/thaw cycles.
Purity	>99% by SDS-PAGE
Endotoxin	<0.1 EU/ug by rFC method (Arvys Proteins Inc.)

PRODUCT DATA

Purification with CL7 tag results in >99% purity in reduced (R) and nonreduced (NR) forms of hGH



Human Growth Hormone induces proliferation of 32D-rGHR cells with an EC₅₀ = ~0.2 ng/mL.

"Quest Graph™ EC50 Calculator." AAT Bioquest, Inc, 10 Aug. 2020, <https://www.aatbio.com/tools/ec50-calculator>

Version: 1.0
 Revision Date: 8/10/2020

Licensing Information

TriAltus Bioscience holds the exclusive, worldwide license to the CL7 protein purification technology platform. It was licensed from the University of Alabama at Birmingham (UAB) in Birmingham, Alabama, USA. An international patent filing has been made with protection being sought in the United States, Europe, and other major markets. The CL7 purification technology is available for research use. For commercial use or resale, contact us at sales@trialtusbioscience.com to discuss commercial licensing.

Trademarks

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