

Recombinant Mouse Growth Hormone (GH)

CATALOG #:	4770-50	50 µg
	4770-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	≥ 95% as determined by SDS-PAGE and HPLC	
ENDOTOXIN:	Less than 0.1 ng/mg of GH	
PHYSICAL APPEARANCE:	Lyophilized powder	

RECONSTITUTION:

Centrifuge the vial prior to opening. It is recommended to reconstitute the lyophilized mGH in sterile deionized water to 0.1-1.0 mg/ml. This solution can then be further diluted to other aqueous solutions or store at -20C for future use.

STORAGE CONDITIONS:

Lyophilized GH should be stored desiccated below 0°C. Upon reconstitution GH can be stored at 4°C for 2-7 days. For long-term storage, it is recommended to add a carrier protein (0.1% HSA or BSA) and store aliquots at -20°C or -70°C. Avoid freeze-thaw cycles.

DESCRIPTION:

GH is a member of the somatotropin/prolactin family of hormone which plays an important role in growth control. Recombinant mouse Growth Hormone produced in *E.Coli* is a single, non-glycosylated, single chain containing 191 amino acids and having a molecular mass of 22.0 kDa.

BIOLOGICAL ACTIVITY:

Recombinant mouse Growth Hormone is fully biologically active when compared to standard human growth hormone which is 3 units/mg.

RELATED PRODUCTS:

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- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- DNA Damage Quantification Kit
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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- 20 Minutes Gel Staining/Destaining Kit
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