

Datasheet for ABIN7320542

**Growth Hormone 1 Protein (GH1)****1** Image[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	Growth Hormone 1 (GH1)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

## Product Details

Purpose:	Recombinant Mouse GH1/Growth Hormone Protein
Sequence:	Phe27-Phe216
Characteristics:	Recombinant Mouse Growth Hormone is produced by our E.coli expression system and the target gene encoding Phe27-Phe216 is expressed.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	Growth Hormone 1 (GH1)
Alternative Name:	GH1/Growth Hormone ( <a href="#">GH1 Products</a> )
Background:	Background: Somatotropin(GH) is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. GH stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle

Target Details

	and other tissues. Synonym: Somatotropin, Growth Hormone, Gh1, Gh
Molecular Weight:	21.9 kDa
UniProt:	<a href="#">P06880</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">JAK-STAT Signaling</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a>

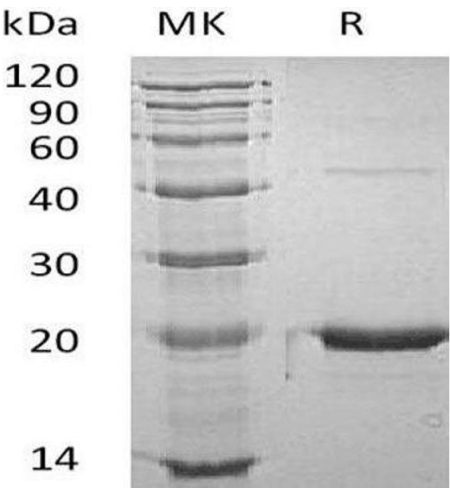
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 50 mM TrisHCl, 500 mM NaCl, pH 8.0.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.