Somatotropin (GH1) ELISA Kit for Monkey

PRODUCT OVERVIEW

Product Name	Somatotropin (GH1), ELISA Kit
Full Product Name	Monkey Somatotropin (GH1) ELISA Kit
Product Gene Name	GH1 elisa kit
Product Synonym Names	GH; GH-N; GHN; IGHD1B; hGH-N; pituitary growth hormone
Species Reactivity	Monkey
Assay Type	Quantitive Sandwich
Samples	Serum, Plasma, Other Biological Fluids
Specificity	This assay has high sensitivity and excellent specificity for detection of Monkey GH1. No significant cross-reactivity or interference between Monkey GH1 and analogues was observed.
Preparation and Storage	Store at 2-8 degree C.
Molecular Weight	24,913 Da
3D Structure	ModBase 3D Structure for P33093
Detection Wavelength	450 nm
Intra-assay Precision (Precision within an assay)	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision (Precision between assays)	Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
CV (%)	= SD/meanX100
Intra-Assay	CV
Inter-Assay	CV
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GH1 elisa kit	This assay employs a two-site sandwich ELISA to quantitate GH1 in samples. An antibody specific for GH1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GH1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GH1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GH1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Other Notes	Small volumes of GH1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GH1 purchase	MBS287191 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Somatotropin (GH1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing GH1. The ELISA analytical biochemical technique of the MBS287191 kit is based on GH1 antibody-GH1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GH1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GH1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GH1. It may not necessarily be applicable to this product.

NCBI GI #	112293289
NCBI GeneID	718156
NCBI Accession #	NP_001036203.1
UniProt Primary Accession #	P33093
UniProt Related Accession #	P33093
GenBank Nucleotide #	NM_001042738.1
NCBI Official Full Name	somatotropin
NCBI Official Symbol	GH1
NCBI Official Synonym Symbols	GHB3
UniProt Protein Name	Somatotropin
UniProt Synonym Protein Names	Growth hormone; GH; GH-N; Growth hormone 1; Pituitary growth hormone
Protein Family	Somatotropin
UniProt Gene Name	GH1
UniProt Synonym Gene Names	GH; GH-N
NCBI Protein Information	somatotropin
UniProt Comments for GH1	Plays 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. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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