

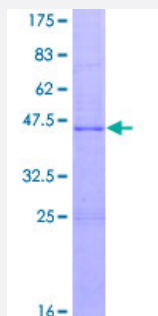
Full-Length

IGF1 (Human) Recombinant Protein (P02)

Catalog # H00003479-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human IGF1 full-length ORF (NP_000609.1, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGKISSLPQLFKCCFCDFLKVKMHTMSSSHLFYLALCLLTFTSSATAGPETLCGAELVDALQFV CGDRGFYFNKPTGYGSSRRAPQTGMDECCFRSCDLRRLEMYCAPLKPASARSVRAQRHTD MPKTQKEVHLKNASRGSGAGNKNYRM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	43.4
Interspecies Antigen Sequence	Mouse (92); Rat (93)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IGF1

Entrez GeneID [3479](#)

GeneBank Accession# [ENST00000337514](#)

Protein Accession# [NP_000609.1](#)

Gene Name IGF1

Gene Alias IGF1

Gene Description insulin-like growth factor 1 (somatomedin C)

Omim ID [147440 608747](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is similar to insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. The encoded protein is processed from a precursor, bound by a specific receptor, and secreted. Defects in this gene are a cause of insulin-like growth factor I deficiency. Several transcript variants encoding different isoforms have been found for this gene

Other Designations insulin-like growth factor 1|somatomedin C

Pathway

- [Focal adhesion](#)

- [Glioma](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Long-term depression](#)
- [Melanoma](#)
- [mTOR signaling pathway](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Arteriosclerosis](#)
- [Asperger Syndrome](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Barrett Esophagus](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Bone Diseases](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)

- [Breast Diseases](#)
- [Breast Neoplasms](#)
- [Bronchopulmonary Dysplasia](#)
- [Bulimia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)
- [Chorioamnionitis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Ductus Arteriosus](#)
- [Dwarfism](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Diseases](#)

- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Growth Disorders](#)
- [Hepatitis](#)
- [Hip Fractures](#)
- [Hypercholesterolemia](#)
- [Hyperplasia](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Laron Syndrome](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)

- [Microsatellite Instability](#)
- [Multiple Myeloma](#)
- [Muscular Diseases](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Myopia](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pain](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)

- [Puberty](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Retinopathy of Prematurity](#)
- [Scoliosis](#)
- [Shoulder Fractures](#)
- [Skin Diseases](#)
- [Social Perception](#)
- [Subarachnoid Hemorrhage](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Thyroid Diseases](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Weight Gain](#)
- [Werner syndrome](#)
- [Wrist Injuries](#)