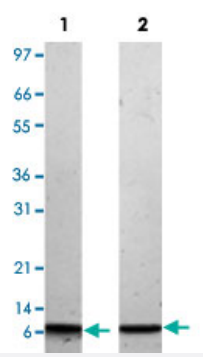
Bioactive

IGF2 (Human) Recombinant Protein

Catalog # P4401 Size 50 ug

Applications



Lane 1: non-reducing conditions
Lane 2: reducing conditions

Result of activity analysis

Result of activity analysis

FDC-P1 cells were cultured with 0 to 250 ng/mL human IGF2. Cell proliferation was measured after 48 hours and the linear portion of the curve was us used to calculate the ED50.

Specification

Product Description	Human IGF2 (P01344) recombinant protein expressed in *Escherichia coli*.
Sequence	AYRPSETLCGGELVDTLQFVCGDRGFYFSRPASRVSRRSRGIVEECCFRSCDLALLETYCATPAK SE
Host	Escherichia coli
Theoretical MW (kDa)	7.5
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Endotoxin Level	< 0.1 EU/ug

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Activity	The activity is determined by the dose dependent proliferation of FDC-P1 cells and is typically 1.5-6 ng/mL.
Quality Control Testing	1 ug/lane in 4-20% Tris-Glycine gel Stained with Coomassie Blue Lane 1: non-reducing conditions Lane 2: reducing conditions
Storage Buffer	No additive
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis FDC-P1 cells were cultured with 0 to 250 ng/mL human IGF2. Cell proliferation was measured after 4 8 hours and the linear portion of the curve was us used to calculate the ED50.

Applications

- Functional Study
- SDS-PAGE

Gene Info — IGF2

Entrez GeneID	3481
Protein Accession#	P01344
Gene Name	IGF2
Gene Alias	C11orf43, FLJ22066, FLJ44734, INSIGF, pp9974
Gene Description	insulin-like growth factor 2 (somatomedin A)
Omim ID	147470
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the insulin family of polypeptide growth factors that is involved in development and growth. It is an imprinted gene and is expressed only from the paternally inherite d allele. It is a candidate gene for eating disorders. There is a read-through, INS-IGF2, which align s to this gene at the 3' region and to the upstream INS gene at the 5' region. Alternatively spliced t ranscript variants, encoding either the same or different isoform, have been found for this gene. [p rovided by RefSeq

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Other Designations	OTTHUMP00000011012|OTTHUMP00000011015|OTTHUMP00000011018|OTTHUMP00000011157|insulin-like growth factor 2|insulin-like growth factor II|insulin-like growth factor type 2|putative insulin-like growth factor II associated protein|somatomedin A

Disease

- Abortion
- Adenocarcinoma
- Adrenal hyperplasia
- Alzheimer disease
- Anorexia Nervosa
- Asperger Syndrome
- Atherosclerosis
- Autistic Disorder
- Beckwith-Wiedemann Syndrome
- Birth Weight
- Body Weight
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bulimia
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Coronary Artery Disease
- Diabetes Complications

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Diabetes Mellitus
- Disease Susceptibility
- Diseases in Twins
- Ductus Arteriosus
- Eating Disorders
- Edema
- Esophageal Neoplasms
- Esophagitis
- Fetal Membranes
- Genetic Predisposition to Disease
- Glaucoma
- Hepatitis
- Hepatitis B
- HIV Infections
- Hyperandrogenism
- Hypertension
- Infant
- Insulin Resistance
- Kidney Failure
- Leiomyoma
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Melanoma
- Metabolic Diseases
- Metabolic Syndrome X

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Metabolism
- Metaplasia
- Mouth Neoplasms
- Muscular Diseases
- Neoplasms
- Obesity
- Obstetric Labor
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Pain
- Pancreatic cancer
- Pancreatic Neoplasms
- Parkinson disease
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Skin Neoplasms
- Social Perception
- Stomach Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Testicular Neoplasms
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Urinary Calculi
- Uterine Neoplasms
- Weight Gain
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.