Bioactive

IGF2 (Human) Recombinant Protein

Catalog # P6438 Size 10 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human IGF2 (P01344) recombinant protein expressed in *E.Coli*.
Sequence	AYRPSETLCGGELVDTLQFVCGDRGFYFSRPASRVSRRSRGIVEECCFRSCDLALLETYCATPAK SE
Host	Escherichia coli
Theoretical MW (kDa)	7.5
Form	Lyophilized
Purity	>= 95%
Endotoxin Level	<= 1 EUs/ug (Kinetic LAL)
Activity	ED_{50} <= 15 ng/mL Mouse FDC-P1 cell proliferation The values provided above are minimum expected values to pass internal requirements.
Quality Control Testing	Reducing and Non-Reducing SDS PAGE
Conformation	Monomer

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Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).
Storage Instruction	Stored at -20°C to-80°C for 12 month. After reconstitution with sterile water at 0.1 mg/mL, store at -20°C to -80°C for 3 months, store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- Western Blot

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 inherited allele. It is a candidate gene for eating disorders. There is a read-through, INS-IGF2, which aligns to this gene at the 3' region and to the upstream INS gene at the 5' region. Alternatively spliced transcript variants, encoding either the same or different isoform, have been found for this gene. [provided by RefSeq
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

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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
- Diabetes Mellitus
- Disease Susceptibility
- Diseases in Twins

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- 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
- Metabolism
- Metaplasia
- Mouth Neoplasms

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- 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
- Testicular Neoplasms
- Thrombophilia
- Tobacco Use Disorder

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- Urinary Bladder Neoplasms
- Urinary Calculi
- Uterine Neoplasms
- Weight Gain
- Werner syndrome

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