

Bioactive

IGF2 (Human) Recombinant Protein

Catalog # P7406

Size 10 ug

Specification

Product Description	Human IGF2 (P01344-1, 25 a.a. - 91 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	AYRPSETLCGGELVDLTQFVCGDRGFYFSRPASRVSRRSRGIVEECCFRSCDLALLETYCATPAK SE
Host	Escherichia coli
Theoretical MW (kDa)	~ 7.6
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	ED ₅₀ < 20.0 ng/mL, measured in a cell proliferation assay using FDCP-1 cells, corresponding to a specific activity of > 5.0 × 10 ⁴ units/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH ₂ O up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

- SDS-PAGE

Gene Info — IGF2

Entrez GeneID	3481
Protein Accession#	P01344-1
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 transcripts, 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 III insulin-like growth factor type 2 putative insulin-like growth factor II associated protein somatomedin A

Disease

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- [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](#)
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- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
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- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Ductus Arteriosus](#)
- [Eating Disorders](#)
- [Edema](#)
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- [Glaucoma](#)
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- [Leiomyoma](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Melanoma](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [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](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)
- [Uterine Neoplasms](#)
- [Weight Gain](#)
- [Werner syndrome](#)