Bioactive HuPro®

IGFBP2 (Human) Recombinant Protein

Catalog # P7439 Size 10 ug

Specification

Product Description	Human IGFBP2 (P18065, 40 a.a. - 325 a.a.) partial recombinant protein with His tag expressed in HEK293 cells.
Sequence	FRCPPCTPERLAACGPPPVAPPAAVAAVAGGARMPCAELVREPGCGCCSVCARLEGEACGVY TPRCGQGLRCYPHPGSELPLQALVMGEGTCEKRRDAEYGASPEQVADNGDDHSEGGLVENHV DSTMNMLGGGGSAGRKPLKSGMKELAVFREKVTEQHRQMGKGGKHHLGLEEPKKLRPPPART PCQQELDQVLERISTMRLPDERGPLEHLYSLHIPNCDKHGLYNLKQCKMSLNGQRGECWCVNPN TGKLIQGAPTIRGDPECHLFYNEQQEARGVHTQRMQ
Host	Human
Theoretical MW (kDa)	6 ~ 20
Form	Lyophilized
Preparation Method	Mammalian cell (HEK 293) expression system
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	ED_{50} < 2.0 ug/mL, measured in bioassay using FDC-P1 cells in the presence of 15.0 ng/mL human IGF-II.
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_2O or PBS 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

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- Functional Study
- SDS-PAGE

Gene Info — IGFBP2

Entrez GeneID	3485
Protein Accession#	P18065
Gene Name	IGFBP2
Gene Alias	IBP2, IGF-BP53
Gene Description	insulin-like growth factor binding protein 2, 36kDa
Omim ID	146731
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	insulin-like growth factor binding protein 2 (36kD)

Disease

- Alzheimer disease
- Anorexia Nervosa
- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Bulimia
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Coronary Artery Disease

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- Diabetes Complications
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Glucose Intolerance
- Head and Neck Neoplasms
- Hyperglycemia
- Lung Neoplasms
- Metabolic Syndrome X
- Multiple Myeloma
- Neoplasm Recurrence
- Neoplasms
- Obesity
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Polycystic Ovary Syndrome
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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