

Bioactive

# IGFBP5 (Human) Recombinant Protein

Catalog # P8196

Size 25 ug

## Specification

|                             |                                                                                                                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Human IGFBP5 (P24593, 21 a.a. - 272 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .                                                                                                                                                             |
| <b>Sequence</b>             | LGSFVHCEPCDEKALSMCPPSPLGCELVKEPGCGCCMTCALAEQQSCGVYTERCAQGLRCLP<br>RQDEEKPLHALLHGRGVCLNEKSYREQVKIERDSREHEEPTTSEMAEETYSPIKIFRPKHTRISELK<br>AEAVKKDRRKLTQSKFVGGAENTAHPRIISAPEMRQSEQQGPCRRHMEASLQELKASPRMVPR<br>AVYLPNCDRKGFYKRKQCKPSRGRKRGICWCVDKYGMKLPGMEYVDGDFQCHTFDSSNVE |
| <b>Host</b>                 | Escherichia coli                                                                                                                                                                                                                                                         |
| <b>Theoretical MW (kDa)</b> | 28.6                                                                                                                                                                                                                                                                     |
| <b>Form</b>                 | Lyophilized                                                                                                                                                                                                                                                              |
| <b>Preparation Method</b>   | <i>Escherichia coli</i> expression system                                                                                                                                                                                                                                |
| <b>Purity</b>               | > 96% by SDS-PAGE                                                                                                                                                                                                                                                        |
| <b>Activity</b>             | The ED <sub>50</sub> is < 0.4 ug/mL, calculated by the ability to inhibit IGF-II induced proliferation of MCF-7, corresponding to a specific activity of > 2500 IU/mg in the presence of 15 ng/mL of rHuIGF-II.                                                          |
| <b>Recommend Usage</b>      | Biological Activity<br>SDS-PAGE<br>The optimal working dilution should be determined by the end user.                                                                                                                                                                    |
| <b>Storage Buffer</b>       | Lyophilized from sterile distilled Water is > 100 ug/mL                                                                                                                                                                                                                  |
| <b>Storage Instruction</b>  | Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                              |

## Applications

- Functional Study

- SDS-PAGE

## Gene Info — IGFBP5

|                    |                                              |
|--------------------|----------------------------------------------|
| Entrez GeneID      | <a href="#">3488</a>                         |
| Protein Accession# | <a href="#">P24593</a>                       |
| Gene Name          | IGFBP5                                       |
| Gene Alias         | IBP5                                         |
| Gene Description   | insulin-like growth factor binding protein 5 |
| Omim ID            | <a href="#">146734</a>                       |
| Gene Ontology      | <a href="#">Hyperlink</a>                    |
| Other Designations | -                                            |

## Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)

- [Metabolic Syndrome X](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)