

## Recombinant Mouse Igfbp2 protein(Met1-Gln305), His-tagged

**Cat. No.** Igfbp2-970M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Igfbp2 protein(NP_032368.2) (Met1-Gln305) was expressed in HEK293 with a polyhistidine tag at the C-terminus.                                                                                                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-305 a.a.                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                           |
| <b>Bio-activity</b>     | Measured by its ability to inhibit the biological activity of IGFII on MCF7 human breast adenocarcinoma cells. The ED50 for this effect is typically 0.04-0.3 µg/mL in the presence of 14 ng/mL human IGFII.                                    |
| <b>Molecular Mass</b>   | The recombinant mouse Igfbp2 consists 282 amino acids and predicts a molecular mass of 31 kDa.                                                                                                                                                  |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                        |
| <b>Purity</b>           | > 70 % as determined by SDS-PAGE.                                                                                                                                                                                                               |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| <b>Gene Name</b> | lgfbp2 insulin-like growth factor binding protein 2 [ Mus musculus ] |
|------------------|----------------------------------------------------------------------|

|                        |        |
|------------------------|--------|
| <b>Official Symbol</b> | lgfbp2 |
|------------------------|--------|

|                 |                                                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | IGFBP2; insulin-like growth factor binding protein 2; insulin-like growth factor-binding protein 2; IGF-binding protein 2; IBP-2; lgfbp-2; AI255832; mIGFBP-2; |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                |       |
|----------------|-------|
| <b>Gene ID</b> | 16008 |
|----------------|-------|

|                    |           |
|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_008342 |
|--------------------|-----------|

|                       |           |
|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_032368 |
|-----------------------|-----------|

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA