

Datasheet for ABIN7274864

IGFBP2 Protein (AA 35-305) (His tag)**2** Images[Go to Product page](#)

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | IGFBP2 |
| Protein Characteristics: | AA 35-305 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IGFBP2 protein is labelled with His tag. |

Product Details

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|------------------|---|
| Purpose: | Mouse IGFBP2 Protein |
| Sequence: | Glu35-Gln305 |
| Characteristics: | Recombinant Mouse IGFBP2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu35-Gln305. |
| Purity: | > 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |

Target Details

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|-------------------|--|
| Target: | IGFBP2 |
| Alternative Name: | IGFBP2 (IGFBP2 Products) |

Target Details

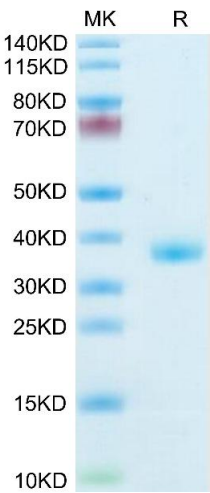
| | |
|-------------------|---|
| Background: | Insulin-like growth factor (IGF) binding protein 2 (IGFBP2) was discovered and identified as an IGF system regulator, controlling the distribution, function, and activity of IGFs in the pericellular space. IGFBP2 is a developmentally regulated gene that is highly expressed in embryonic and fetal tissues and markedly decreases after birth.IGFBP2 is upregulated and promotes several key oncogenic processes, such as epithelial-to-mesenchymal transition, cellular migration, invasion, angiogenesis, stemness, transcriptional activation, and epigenetic programming via signaling that is often independent of IGFs. |
| Molecular Weight: | 30.6 kDa. Due to glycosylation, the protein migrates to 32-40 kDa based on Tris-Bis PAGE result. |
| UniProt: | P47877 |
| Pathways: | Myometrial Relaxation and Contraction , Growth Factor Binding , Activated T Cell Proliferation |

Application Details

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|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

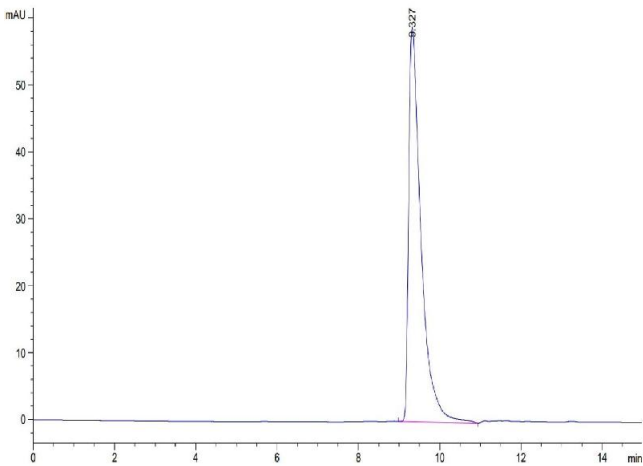
Handling

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|------------------|--|
| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |



SDS-PAGE

Image 1. Mouse IGFBP2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse IGFBP2 is greater than 95 % as determined by SEC-HPLC.