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## Product Datasheet

### Mouse Insulin protein, His tag (active), Unconjugated GTX00291-PRO

|                          |                                                                                                                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artikelname              | Mouse Insulin protein, His tag (active), Unconjugated                                                                                                                                                                                                         |
| Artikelnummer            | GTX00291-PRO                                                                                                                                                                                                                                                  |
| Hersteller Artikelnummer | GTX00291-pro                                                                                                                                                                                                                                                  |
| Alternativnummer         | GTX00291-PRO-10                                                                                                                                                                                                                                               |
| Hersteller               | GeneTex                                                                                                                                                                                                                                                       |
| Kategorie                | Proteine/Peptide                                                                                                                                                                                                                                              |
| Applikation              | FA                                                                                                                                                                                                                                                            |
| Spezies Reaktivität      | Mouse                                                                                                                                                                                                                                                         |
| Konjugation              | Unconjugated                                                                                                                                                                                                                                                  |
| Produktbeschreibung      | This gene encodes insulin, a peptide hormone that plays a vital role in the regulation of carbohydrate and lipid metabolism. The encoded precursor protein undergoes proteolytic cleavage to produce a disulfide-linked heterodimeric functional protein t... |
| NCBI                     | <a href="#">16334</a>                                                                                                                                                                                                                                         |
| UniProt                  | <a href="#">P01326</a>                                                                                                                                                                                                                                        |
| Puffer                   | Reconstitute with 20mM Tris (pH8.0) and 150mM NaCl (pH8.0) to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris (pH8.0), 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.                                                           |
| Expression System        | E. coli                                                                                                                                                                                                                                                       |

|                        |                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulierung           | Lyophilized powder                                                                                                                                                                                                                                             |
| Sequenz                | N-terminal His-Tag, Phe25~Ser54(B)+GGGGS+Gly90~Asn110(A)<br>(NP_001172012.1)                                                                                                                                                                                   |
| Anwendungsbeschreibung | INS (Insulin) is a peptide hormone produced by beta cells of the pancreatic islets, which decreases blood glucose concentration and increases cell permeability to monosaccharides, amino acids and fatty acids. It has been reported that insulin triggers ph |