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## Product Datasheet

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

Article Name	Mouse Insulin protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00291-PRO
Supplier Catalog Number	GTX00291-pro
Alternative Catalog Number	GTX00291-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Mouse
Conjugation	Unconjugated
Product Description	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>
Buffer	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
Form	Lyophilized powder

Sequence	N-terminal His-Tag, Phe25~Ser54(B)+GGGGS+Gly90~Asn110(A) (NP_001172012.1)
Application Notes	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