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Product Datasheet

Sheep GH Antagonist Protein BYT-ORB425698

Article Name	Sheep GH Antagonist Protein
Biozol Catalog Number	BYT-ORB425698
Supplier Catalog Number	orb425698
Alternative Catalog Number	BYT-ORB425698-1, BYT-ORB425698-100, BYT-ORB425698-20
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	Recombinant of sheep GH Antagonist protein...
Buffer	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045M NaHCO ₃ , pH 9.
Purity	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC (b) Analysis by Gel Filtration. (c) Analysis by SDS-PAGE.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Thr-Phe-Pro-Ala

Application Notes

Solubility: It is recommended to reconstitute the lyophilized GH G119R in 0.4% NaHCO₃ or water adjusted to pH 9, not less than 100µg/ml, which can then be further diluted to other aqueous solutions, preferably in a presence of a carrier protein such as BSA or similar. Biological Activity: GH G119R acts as antagonist using an in vitro bioassay in PDF-P1 3B9 cells stably transfected with rabbit GH receptors. It is capable of forming a 1:1 complex with the recombinant ovine growth hormone receptor extracellular domain (ECD) and binds to this ECD with affinity similar the the wild type oGH. Application Notes: Protein content: Protein quantitation was carried out by UV spectroscopy at 280 nm using the absorbency value of 0.63 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the DNAMAN computer analysis program of protein sequences