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## Product Datasheet

### Porcine IL 1 alpha Protein BYT-ORB429397

Article Name	Porcine IL 1 alpha Protein
Biozol Catalog Number	BYT-ORB429397
Supplier Catalog Number	orb429397
Alternative Catalog Number	BYT-ORB429397-10,BYT-ORB429397-100,BYT-ORB429397-2
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	Recombinant of porcine IL1 alpha protein...
Buffer	The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives.
Purity	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) 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 Ser-Ala-Thr-Tyr-Ser

Application Notes

Solubility: It is recommended to reconstitute the lyophilized Interleukin-1 alpha in sterile 18MO-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Biological Activity: The ED<sub>50</sub> as determined by the dose-dependant stimulation of D10S cells is < 0.03 ng/ml.

Application Notes: Protein content: Protein quantitation was carried out by two independent methods:1. UV spectroscopy at 280 nm using the absorbency value of 0.669 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard solution of IL-1 as a Reference Standard