

Product: Interleukin-1 alpha, porcine, recombinant
Catalog #: 11-IL-1AP
Amount: 5 µg

DESCRIPTION: Recombinant porcine Interleukin 1 alpha (rpIL-1a)
rpIL-1a is single, a non-glycosylated, Polypeptide chain containing 158 amino acids and having a molecular mass of 18,076Dalton
The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Ala-Thr-Tyr-Ser

SOURCE: *Escherichia coli* expression system

MOLECULAR WEIGHT: 18 kDa

PURITY: > 95%, as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rpIL-1a

DIMERS & AGGREGATES: Less than 1% as determined by silver stained SDS-PAGE gel analysis

PROTEIN CONTENT: Protein quantitation was carried out by 2 independent methods:
- 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 GENcomputer analysis program of protein sequences
- Analysis by RP-HPLC, using a standard solution of pIL-1 alpha as a Reference Standard

FORM: Purified, in 0.1% BSA

CONCENTRATION: 0.1 mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rpIL-1a is fully biologically active when compared to standard. The ED50 as determined by the dose-dependant stimulation of D10S cells is < 0.03 ng/ml.

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