

Porcine IL 1RA Recombinant Protein



RPPB0476

Product Information Protein Information

Product SKU:

RPPB0476

Accession:

Q6PUJ3

Host:

Escherichia Coli.

Protein description:

Recombinant IL 1RA Porcine produced in E.coli cells is a non-glycosylated, homodimeric protein containing 152 amino acid chain and having a molecular mass of 17.1kDa. The IL 1RA is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

IRAP, IL1F3, IL1RA, IL-1ra3, ICIL-1RA, IL1RN, IL1 inhibitor, IL-1ra, MGC10430.

Formulation:

The IL 1RA was lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4, containing 1mM DTT.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IL 1RA in sterile distilled H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IL 1RA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL 1RA should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Amino Acid Sequence:

HPLGKRPCR M QAFRIWDV NQ KTFYLRNNQL VAGYLQGPNT KLEEKIDVVP VEPHFVFLGI HGGKLCCLSCV
KSGDEMKLQL DAVNITDLRK NSEQDKRFTF IRSDSGPTTS FESAACPGWF LCTALEADQP VGLTNTPKAA
VKVTKFYFQQ DQ

Biological Activity:

The ED50 as determined by inhibiting IL-1a-dependent proliferation of murine D10S cells is less than 50 ng/ml, corresponding to a specific activity of > 2.0 × 10⁴ IU/mg in the presence of 75 pg/ml rPoIL-1a.