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32-6407: IL-1 Alpha Rat, His Active

Application : Functional Assay
Alternative Name : Interleukin-1 alpha, IL-1 alpha.

Description

Source: E.coli.
Sterile Filtered colorless solution.
IL-1 alpha is produced by activated macrophages.IL-1 alpha stimulates thymocyte proliferation by inducing il-2 release, b-cell maturation and proliferation, and fibroblast growth factor activity. IL1A proteins take part in the inflammatory response, being identified as endogenous pyrogens, and stimulate the release of prostaglandin and collagenase from synovial cells.
IL1A Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 179 amino acids (115-270 a.a) and having a molecular mass of 20.2kDa.IL1A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	IL1A protein solution (1mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSSAPHSFQ NNLRYKLIRI VKQEFIMNDS LNQNIYVDMDRIHLKAASLN DLQLEVKFDM YAYSSGGDDSKYPVTLKVSN TQLFVSAQGE DKPVLLKEIPETPKLITGSE TDLIFFWEKI NSKNYFTSAA FPELLIATKE QSQVHLARGL PSMIDFQIS.

Application Note

The ED50 that was measured in a cell proliferation assay using D10.G4.1 mouse helper T cell is <20 pg/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.