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Genaxxon BioScience

Recombinant Murine MIP-1 alpha

rmMIP-1a – rec. Murine Macrophage Inflammatory Protein 1-alpha

Product	Cat#	Package size
rec. Murine Macrophage Inflammatory Protein 1-alpha	C6082.0002	2 µg
rec. Murine Macrophage Inflammatory Protein 1-alpha	C6082.0002	10 µg
rec. Murine Macrophage Inflammatory Protein 1-alpha	C6082.0002	1 mg

Product description

Recombinant Murine Macrophage Inflammatory Protein-1 alpha produced in E.Coli is a single, non-glycosylated, polypeptide from 69 amino acids and a molecular weight of 7820 Dalton. This rmMIP-1a is purified by proprietary chromatographic techniques and lyophilised afterwards

Source

Escherichia coli

Biological activity

The Genaxxon rHuIL-4 is fully biologically active when compared to standard. The Activity is calculated by the ability to chemoattract of Balb3/C splenocytes using 1-10 ng/ml.

Purity

Greater than 99% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (IEU/µg) of rHuIL-4.

Amino acid sequence and dimers aggregates

The sequence of the first N-terminal amino acids was determined and was found to be Ala-Pro-Tyr-Gly-Ala.

Dimers content is less than 1% as determined by silver stained SDS-page gel analysis.

Formulation

The sterile filtered solution was lyophilised from water (1mg/ml) containing no additives.

Stability

The lyophilized protein is stable for a few weeks at room temperature, but best stored desiccated at -20°C. Reconstituted rHuIL-4 should be stored at 4°C between 2 -7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please prevent from repeated freeze-thawing cycles.**

Reconstitution

We recommend to reconstitute the lyophilised rHuIL-4 in sterile 18MΩ/cm water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. This solution can then be stored at 4°C for 1 week or -20°C for future use.

Protein family and gene names

rmMIP 1a belongs to the intercrine beta (chemokine CC) family.
 Gene-name: Ccl3 – Synonyms: Mip1a; Scya3

Usage

This product is for research/laboratory usage only. It may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.