

Rat IL 22 Recombinant Protein



RPPB0640

Product Information Protein Information

Product SKU:

RPPB0640

Accession:

G3V6X6

Host:

Escherichia Coli.

Protein description:

IL-22 Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 146 amino acids and having a molecular mass of 16.6kDa. The IL22 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

IL-TIF, TIFa, IL-10-related T-cell-derived-inducible factor, IL-22, ILTIF, IL-D110, zcyto18, MGC79382, MGC79384, TIFIL-23.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.

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 Interleukin -22 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Interleukin-22 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL22 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

LPINSQCKLE AANFQQPYIV NRTFMLAKEA SLADNNTDVR LIGEELFRGV KAKDQCYLEMK QVLNFTLEDV
LLPQSDRFQP YMQEVVPLT KLSIHLSPCH ISGDDQNIQK NVRQLKETVQ KLGESGEIKA IGELDLLFMS
LRNACV.

Biological Activity:

The biological activity is measured by its ability to induce IL-10 secretion in COLO 205 (human colon carcinoma cells). The expected ED50 for this effect is 0.15-0.75ng/ml.