

Mouse IL 28B Recombinant Protein



RPPB0653

Product Information Protein Information

Product SKU:

RPPB0653

Accession:

Q8CGK6

Host:

Escherichia Coli.

Protein description:

IL-28B Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 174 amino acids and having a molecular mass of 19.6kDa. The IL28B is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Interferon lambda-3, IFN-lambda-3, Interleukin-28B, IL-28B, Ifnl3, Ii28, Ii28b.

Formulation:

IL28B protein was 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 IL-28B in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IL-28B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL28B 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:

DPVPRATRLP VEAKDCHIAQ FKSLSPKELQ AFKKAKGAIE KRLEKDMRC SSSLISRAWD LKQLVQERP
KALQAEVALT LKVWENINDS ALTTILGQPL HTLSHIHSQL QTCTQLQATA EPKPPSRRLS RWLHRLQEAQ
SKETPGCLED SVTSNLFQLL LRDLCVASG DQCV.

Biological Activity:

The ED₅₀ as determined by an anti-viral assay using human HepG2 cells infected with encephalomyocarditis is less than 30 ng/ml, corresponding to a specific activity of > 3.3 × 10⁴ IU/mg.