

Mouse IL 28A Recombinant Protein



RPPB0650

Product Information Protein Information

Product SKU:

RPPB0650

Accession:

Q4VK74

Host:

Escherichia Coli.

Protein description:

Recombinant Mouse Interleukin-28A produced in E.Coli is a single, non-glycosylated polypeptide chain containing 174 amino acids and having a total molecular mass of 19.7kDa. The IL-28A is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

IFN-lambda-2, Interleukin-28A, IL-28A, Ifnl2, Il28a, EG330496.

Formulation:

The Mouse IL-28A is lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4 and 5% trehalose.

Purity:

Greater than 95% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IL-28A in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IFN-Lambda 2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-Lambda 2 Recombinant 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 FKSLSPELQ AFKAKDAIE KRLLEKDMRC SSSLISRAWD LKQLVQERP
KALQAEVALT LKWENMTDS ALATILGQPL HTLSHIHSQL QTCTQLQATA EPKPPSRRLS RWLHRLQEAQ
SKETPGCLEL SVTSNLFRL TRDLKCVASG DQCV.

Biological Activity:

The ED₅₀ as determined by an anti-viral assay using human HepG2 cells infected with encephalomyocarditis(EMC) virus is less than 3 ng/ml, corresponding to a specific activity of > 3.3 × 10⁵ IU/mg.