



Interferon-alpha 14, His Tag, human recombinant (rHuIFN-alpha14-His)

Catalog No: 97479
Lot No: XXXXX
Source: *E. coli*
Synonyms: Interferon alpha-14, IFN-alpha-14, Interferon alpha-H, LeIF H, Interferon lambda-2-H, IFNA14, LEIF2H, IFN-alphaH

Background

Interferon alpha-14 (IFNA14) is a member of the alpha/beta interferon family. IFNA14 is produced by macrophages (IFN-alpha have antiviral activities). The interferon stimulates the production of 2 enzymes: a protein kinase and an oligoadenylate synthetase.

Description

IFNA14 human recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 191 amino acids (24-189) and having a molecular mass of 22.4 kDa. IFNA14 is fused to a 25 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The IFNA14 protein solution (0.5 mg/ml) containing 20 mM Tris-HCl buffer (pH8.0), 50% glycerol, 0.2 M NaCl and 2 mM DTT.

Stability

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.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSHMCNLSQ THSLNNRRTL MLMAQMRRIS PFSCLKDRHD FEFPQEEFDG NQFQKAQAIS
VLHEMMQQTFLNFSTKNSSA AWDETLLLEKF YIELFQQMND LEACVIOEVG VEETPLMNED SILAVKKYFQ RITLYLMEKK
YSPCAWEVVR AEIMRSLFSFSLTNLQKRLRRK D

Usage

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