

Interferon-alpha 2b (IFN- α 2b), Human

Cat.no. PK0075

Product size: 10ug 50ug 1mg

Source: E. coli

Species: Human

Biological Activity: ED50 < 0.05 ng/ml, measured by a cytotoxicity assay using TF-1 Cells, corresponding to a specific activity of > 2.0 \times 10⁷ units/mg.

Molecular Weight: 19.2kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O at 100 μ g/ml.

Purity: > 95% as analyzed by reducing SDS - PAGE.

Endotoxin Level: < 0.2 EU/ μ g, determined by LAL method.

Storage: Lyophilized recombinant human Interferon-Alpha 2b (rhIFN-Alpha 2b) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rhIFN-Alpha 2b should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.

Description: Interferon-Alpha 2b (IFN-Alpha 2b) produced by leukocytes is a member of Interferon family. IFN-alpha is mainly involved in innate immune response against a broad range of viral infections. IFN-alpha 2 has three acid stable forms (a,b,c) signaling through IFNAR2. IFN-alpha 2b shares 99.4% aa sequence identity with both IFN-alpha 2a and 2c. IFN-alpha contains four highly conserved cysteine residues which form two disulfide bonds, one of which is necessary for biological activity.

Amino Acid Sequence:

00001 CDLPQTHSLG SRRTLMLLAQ MRRISLFSCL KDRHDFGFPQ
00041 EEFGNQFQKA ETIPVLHEMI QQIFNLFSTK DSSAAWDETL
00081 LDKFYTELYQ QLNDLEACVI QGVGVTTETPL MKEDSILAVR
00121 KYFQRITLYL KEKKYSPCAW EVVRAEIMRS FSLSTNLQES
00161 LRSKE

Synonyms: Interferon alpha-2, IFN-alpha-2, Interferon alpha-A, LeIF A, IFNA2, IFNA2B, IFN- α 2b, IFN α 2b, IFN α -2b

Note: For research use only, not for use in diagnostic procedure.