Mouse IFN beta (recombinant)

Alias: none **Catalog #:** 6541

Size: 5 ug **Research Use Only**

Molecular Weight: 19.7 kDa

Source: Yeast. Recombinant Mouse IFN beta was produced in yeast and, therefore, does not have endotoxin. It is naturally folded and post-translationally modified.

Formulation: Lyophilized without carrier protein.

Purity: >95% as visualized by SDS-PAGE analysis.

Purification: Ion-exchange chromatography.

Bioactivity: In testing

Entrez Gene ID: 15977

Number of Amino Acids: 161

Amino Acid Sequence: INYKQLQLQE RTNIRKCQEL LEQLNGKINL TYRADFKIPM EMTEKMQKSY TAFAIQEMLQ NVFLVFRNNF SSTGWNETIV VRLLDELHQQ TVFLKTVLEE KQEERLTWEM SSTALHLKSY YWRVQRYLKL MKYNSYAWMV VRAEIFRNFL IIRRLTRNFQ N (161)

Country of Origin: USA

Reconstitution: Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

Stability and Storage: Stable for up to twelve months from date of receipt at -20˚C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20˚C. Avoid repeated freeze/thaw cycles.

Applications: The IFN beta protein can be used in cell culture, as a IFN beta ELISA Standard, and as a Western Blot Control.

Background: Type I interferons (IFN alpha, IFN beta) belong to the helical cytokine superfamily, which includes growth hormones, interleukins, several colony-stimulating factors plus other regulatory molecules. All function as regulators of cellular activity by interacting with cell-surface receptors and activating various signaling pathways. IFN beta produces antiviral, antibacterial, and anticancer properties. RANKL (TNFSF11) has been shown to induce the production of IFN beta.

ImmunoChemistry TECHNOLOGIES LLC

ImmunoChemistry Technologies, LLC. • 9401 James Ave. S, #155, Bloomington, MN 55431 USA
toll-free: 1-800-829-3194 • local: 952-888-8788 • fax: 952-888-8988 • www.immunochemistry.com