Active Recombinant Equine IFNA1

Cat. No. IFNA1-56E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Equine IFN alpha 1 was expressed in Yeast.
Species	Equine
Source	Yeast
Description	Type I interferons comprise a vast and growing group of IFN proteins. Homologous molecules to type I IFNs are found in many species, including all mammals, and some have been identified in birds, reptiles, amphibians and fish species. The mammalian types are designated IFN-alpha, IFN-beta, IFN-kappa, IFN-delta, IFN-epsilon, IFN-tau, IFN-omega, and IFN-zeta (also known as limitin). They are mainly involved in innate immune response against viral infection.
Form	Lyophilized.
Bio-activity	Recombinant Equine IFNα1 response was detected from MDBK-t2 cells by CAT analysis in a dose-dependant manner following 24 hours stimulation with 10 pg/mL to 64 pg/mL recombinant Equine IFNα1.
Molecular Mass	18.5 kDa (calculated)
AA Sequence	CDLPHTHSLG NTRVLMLLGQ MRRISPFSCL KDRNDFGFPQ EVFDGNQFRK PQAISAVHET IQQIFHLFST DGSSAAWDES LLDKLYTGLY QQLTELEACL SQEVGVEETP LMNEDSLLAV RRYFQRIALY LQEKKYSPCA WEIVRAEIMR SFSSSTNLPQ S (161)

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Purity	>95% as visualized by SDS-PAGE analysis.
Stability	Stable for up to twelve months from date of receipt at -20?C.
Storage	Stable for at least 3 months when stored in working aliquots with a carrier protein at -20?C. Avoid repeated freeze/thaw cycles.
Reconstitution	Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

GENE INFORMATION

Gene Name	IFNA1 interferon, alpha 1 [Equus caballus (horse)]
Official Symbol	IFNA1
Synonyms	IFNA1; IFN-alpha3; interferon, alpha 1; interferon alpha-1; IFN-alpha 3; interferon alpha 1; interferon alpha-3; interferon-alpha 3; interferon-alpha-1; interferon-alpha-3
Gene ID	100053022
mRNA Refseq	NM_001099441
Protein Refseq	NP_001092911
UniProt ID	P05003
Chromosome Location	23

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