Recombinant Mouse IFN-zeta/Limitin Protein (His Tag)

Catalog No. PKSM041065

Note: Centrifuge before opening to ensure complete recovery of vial contents.

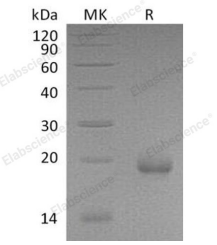
Description

Synonyms	Limitin;IFN-z;BGIF;Ifnz;interferon zeta;Lmtn;IFN-zeta
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Leu22-Arg182
Accession	Q9R1T0
Calculated Molecular Weight	19.5 kDa
Observed molecular weight	19 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Limitin, also called IFN-ζ, is a secreted interferon (IFN)-like glycoprotein. Limitin has approximately 30% sequence homology with IFN-α, IFN-β, and IFN-ω and binds to the IFN-α/β receptors. Like IFN-α and IFN-β, limitin has

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antiproliferative, immunomodulatory, and antiviral properties, it is unique in lacking influence on myeloid and erythroid progenitors. Similar dose requirement between limitin and IFN-α was observed for the enhancement of cytotoxic T lymphocyte activity, the augmentation of MHC class I expression, and the growth inhibition of a myelomonocytic leukemia cell line.

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