

Datasheet for ABIN7607496

IFNB1 Protein (AA 22-184) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	IFNB1
Protein Characteristics:	AA 22-184
Origin:	Rat
Source:	Mammalian Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IFNB1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), Immunogen (Imm), ELISA, Activity Assay (AcA)

Product Details

Purpose:	Recombinant Rat IFNB1/IFN-beta Protein, C-His (Active)
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	<0.1 EU/µg of the protein by the LAL method.
Biological Activity Comment:	Interferon was titrated with the use of the cytopathic effect inhibition assay. In this antiviral assay for interferon, about 1 unit/ml of interferon is the quantity necessary to produce a cytopathic effect of 50%. As there is no international Rat IFN-beta standard, units are determined with respect to the international reference standard for mouse interferon alpha/beta (mouse IFN-alpha/beta) provided by the National Institutes of Health.

Target Details

Target:	IFNB1
Alternative Name:	IFNB (IFNB1 Products)
Background:	IFNB, IFN-beta, Interferon beta, IFNB1, Fibroblast interferon, IFB
UniProt:	P70499
Pathways:	JAK-STAT Signaling , TCR Signaling , TLR Signaling , Regulation of Leukocyte Mediated Immunity , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity , Hepatitis C , Autophagy , Inflammasome

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from a solution in PBS pH 7.4, 5 % Trehalose, 5 % Mannitol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for one week. Store at -20 to -80°C for twelve months from the date of receipt.
Expiry Date:	12 months