Recombinant Rat Ifna2 Protein(Sumo Tag)

Catalog Number: PDER100258

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

Description	
Species	Rat
Source	E.coli-derived Rat Ifna2 protein Cys24-Ser192, with an N-terminal Sumo
Calculated MW	31.5 kDa
Observed MW	35 kDa
Accession	A0A0G2K3I2
Bio-activity	Not validated for activity
Properties	
Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg 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
	°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of
	reconstituted samples are stable at $< -20^{\circ}$ C 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 in PBS with 5% Trehalose and 5%
	Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of
	0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Rat Ifna2 proteins,2µg/lane of Recombinant Rat Ifna2 proteins,was resolved with SDS-PAGE under reducing conditions,showing bands at 35 KD

Background

IFNA2(Interferon Alpha 2) is a Protein Coding gene. This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded protein is a cytokine produced in response to viral infection. Type I Interferons(IFNs) are well-known cytokines that exert antiviral activity, antitumor activity, and immunomodulatory effects. Interferon tau(IFN T), a type I IFN similar to alpha IFNs(IFNA), is the pregnancy recognition signal produced by the ruminant conceptus. Among the IFN- α genes, a total of 28 different sequence variants have been described. The three principal subtypes of IFN α -2 are designated α -2a, α -2b, and α -2c. IFN α -2b is being the predominant allele while IFN α -2a is less predominant and IFN α -2c only a minor allelic variant.

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