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Datasheet for ABIN5855176
IFNA7 Protein (AA 24-189) (His tag)

Overview

Quantity:	50 µg
Target:	IFNA7 (IFNa7)
Protein Characteristics:	AA 24-189
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNA7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPCDLPQTH SLRNRRLIL LAQMGRISPF SCLKDRHEFR FPEEEFDGHQ FQKTQAISVL HEMIQQTfNL FSTEDSSAAW EQSLLEKFST ELYQQLNDLE ACVIQEVGVE ETPLMNEDFI LAVRKYFQRI TLYLMEKKYS PCAWEVVRAE IMRSFSFSTN LKKGLRRKDH HHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	IFNA7 (IFNa7)
Alternative Name:	IFNA7 (IFNa7 Products)
Background:	IFNA7, also known as interferon alpha-7, is a member of the interferon family. Interferon promotes the production of two enzymes, protein kinase and oligoadenylate synthetase. They

Target Details

allow the cells to communicate with the protective barrier of the immune system to eradicate pathogens or tumors. IFNs are divided on the sequence of amino-acids into three groups: Alpha, Beta and Gamma interferons. IFN-alpha has both anti-viral and immunomodulatory activities on target cells, and increases the awareness of infection or tumor cells by elevating antigen presentation to T lymphocytes. This protein has both anti-viral and immunomodulatory activities on target cells and involved both in ligand binding and signal transduction. Recombinant human IFNA7, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 20.7kDa (175aa) 18-28kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_066401](#)

UniProt: [P01567](#)

Pathways: [JAK-STAT Signaling](#), [Hepatitis C](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.