

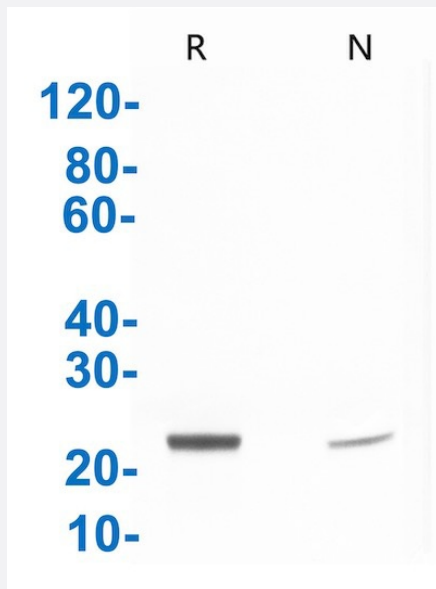
Bioactive

IFNA2 (Human) Recombinant Protein

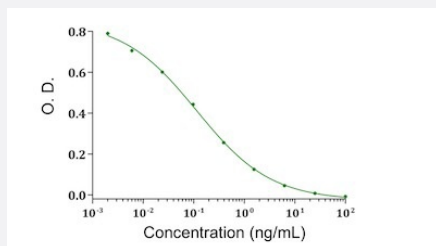
Catalog # P7315

Size 10 ug

Applications



2 ug of IFNA2 2b (Human) Recombinant Protein (Cat # P7315) was resolved with SDS-PAGE under reducing (R) and non-reducing (N) conditions and visualized by Coomassie Blue staining.



Result of activity analysis PAGE

Result of activity analysis
PAGE

Specification

Product Description

Human IFNA2 (P01563, 24 a.a. - 188 a.a) K46R mutant partial recombinant protein expressed in *Escherichia coli*.

Sequence

LSCKSSCSVGCDLPQTHSLGSRKTLMLLAQMRRISLFSLKDRHDFGFPQEEFGNQFQKAETIPV
LHEMIQQIFN

Host

Escherichia coli

Theoretical MW (kDa)	19.2
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ug of protein by gel clotting method
Activity	ED ₅₀ < 0.05 ng/mL, measured by a cytotoxicity assay using TF-1 Cells, corresponding to a specific activity of > 2.0 × 10 ⁷ units/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH ₂ O up to 100 ug/mL.
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis PAGE Result of activity analysis PAGE

Applications

- Functional Study
- SDS-PAGE

Gene Info — IFNA2

Entrez GeneID	3440
Protein Accession#	P01563
Gene Name	IFNA2
Gene Alias	IFNA, INFA2, MGC125764, MGC125765
Gene Description	interferon, alpha 2

Omim ID	147562
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000021143 alpha-2a interferon interferon alpha 2b interferon alpha A

Pathway

- [Antigen processing and presentation](#)
- [Autoimmune thyroid disease](#)
- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Regulation of autophagy](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Infant](#)
- [Lupus Erythematosus](#)
- [Malaria](#)
- [Respiratory Syncytial Virus Infections](#)