Recombinant Human IFNα2b/IFNA2 Protein

Catalog Number: PKSH033640

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

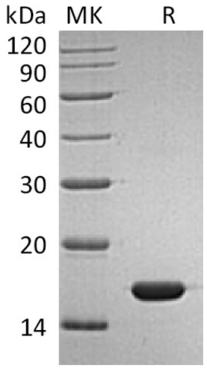
Description

Species	Human
Source	E.coli-derived Human IFNα2b;IFNA2 protein Cys24-Glu188
Calculated MW	19.4 kDa
Observed MW	17 kDa
Accession	P01563
Bio-activity	Measured in antiviral assay using A549 human lung cancer cells infected with vesicular stomatitisvirus (VSV) The ED_{50} for this effect is 5 ng/mL.

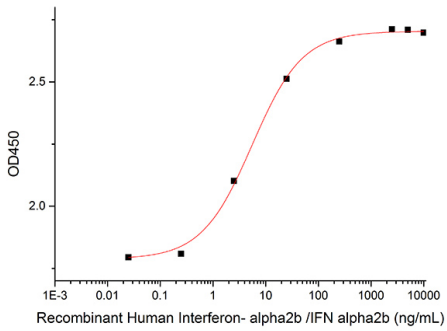
Properties

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 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 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.

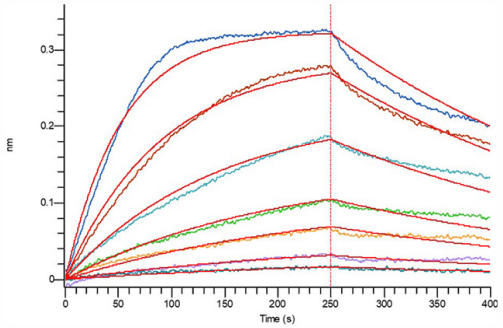
Data



> 95 % as determined by reducing SDS-PAGE.



Measured in antiviral assay using A549 human lung cancer cells infected with vesicular stomatitisvirus (VSV) The ED_{50} for this effect is 5 ng/mL.



Loaded Human IFNAR2-Fc(PKSH032606) on Protein A Biosensor, can bind Human IFN alpha2b(PKSH033640) with an affinity constant of 2.98 nM as determined in BLI assay.

Background

At least 23 different variants of IFN-α are known. The individual proteins have molecular masses between 19-26 kDa and consist of proteins with lengths of 156-166 and 172 amino acids. All IFN-α subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-α subtypes differ in their sequences by only one or two positions. Naturally occurring variants also include proteins that are truncated by 10 amino acids at the carboxyl-terminal end.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com