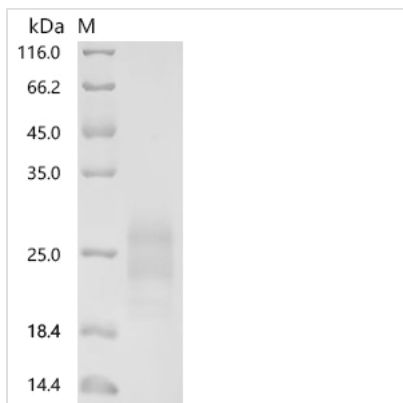


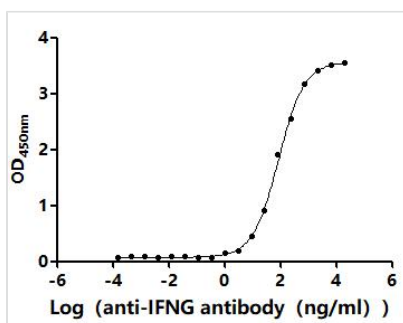


Recombinant Human Interferon gamma (IFNG) (Active)

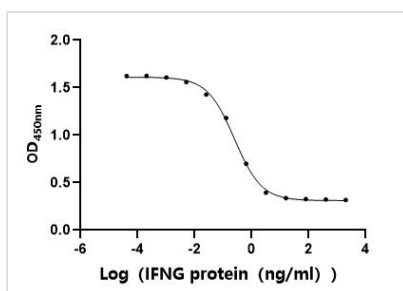
Product Code	CSB-MP011050HU1d7
Abbreviation	Recombinant Human IFNG protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P01579
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	① Measured by its binding ability in a functional ELISA. Immobilized Human IFNG at 2 µg/mL can bind anti-IFNG recombinant antibody (CSB-RA011050MA1HU). The EC50 is 74.23-96.56 ng/mL. ② Measured by its ability to inhibit proliferation of HT-29 cells. The ED50 for this effect is 0.2120-0.2940 ng/mL.
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QDPYVKEAENLKKYFNAGHSDVADNGTLFLGILKNWKEESDRKIMQSQIVSFY FKLFKNFKDDQSIQKSVETIKEDMNVKFFNSNKKKRDDFEKLTNYSVTDLNVQ RKAIHELIVMAELSPA AKTGKRKRSQMLFRGRRASQ
Source	Mammalian cell
Target Names	IFNG
Expression Region	24-166aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	18.2 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human IFNG at 2 µg/ml can bind anti-IFNG recombinant antibody (CSB-RA011050MA1HU). The EC₅₀ is 74.23-96.56 ng/mL.



Activity
Measured by its ability to inhibit proliferation of HT-29 cells. The ED₅₀ for this effect is 0.2120-0.2940 ng/mL.

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.