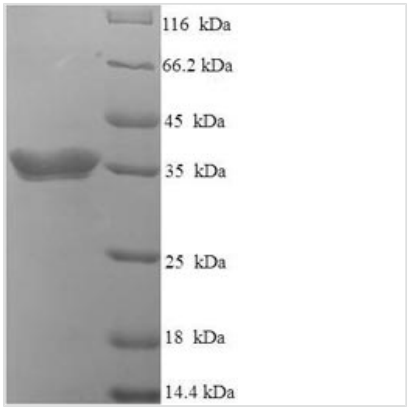
Recombinant Human Interferon alpha-4 (IFNA4), partial

Product Code	CSB-EP011040HU
Relevance	Produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.
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.	P05014
Alias	Interferon alpha-4BInterferon alpha-76Interferon alpha-M1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	CDLPQTHSLGNRRALILLAQMGRISHFSCLKDRHDFGFPEEEFDGHQFQKAQA ISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVIQEVGVE ETPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKR LRRKD
Lead Time	3-7 business days
Research Area	Cancer
Source	E.coli
Gene Names	IFNA4
Expression Region	24-189aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	35.4kDa
Protein Description	Partial
Image	



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

Description

The region for expressing recombinant Human IFNA4 contains amino acids 24-189. The expected molecular weight for the IFNA4 protein is calculated to be 35.4 kDa. This IFNA4 protein is produced using e.coli expression system. The IFNA4 gene fragment has been modified by fusing the N-terminal 6xHis-SUMO tag, providing convenience in detecting and purifying the recombinant IFNA4 protein during the following stages.

Human interferon alpha-4 (IFNA4) is a member of the interferon-alpha family, a group of cytokines that play a crucial role in the antiviral immune response. IFNA4 is produced by various immune cells, particularly leukocytes, in response to viral infections. Its main function is to inhibit viral replication and spread by inducing the expression of antiviral proteins within infected cells. Additionally, IFNA4 contributes to the activation of immune cells, enhancing the overall antiviral defense. Research on IFNA4 spans virology, immunology, and clinical medicine, exploring its potential therapeutic applications in treating viral infections, certain cancers, and autoimmune diseases.

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.