

Recombinant Human IFITM1 Protein (1-36 aa), GST-tagged

Cat. No. IFITM1-1181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFITM1 Protein (1-36 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Immunology. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	1-36 aa
Description	IFN-induced antiviral protein which inhibits the entry of viruses to the host cell cytoplasm, permitting endocytosis, but preventing subsequent viral fusion and release of viral contents into the cytosol. Active against multiple viruses, including influenza A virus, SARS coronavirus (SARS-CoV), Marburg virus (MARV), Ebola virus (EBOV), Dengue virus (DENV), West Nile virus (WNV), human immunodeficiency virus type 1 (HIV-1) and hepatitis C virus (HCV). Can inhibit: influenza virus hemagglutinin protein-mediated viral entry, MARV and EBOV GP1,2-mediated viral entry and SARS-CoV S protein-mediated viral entry. Also implicated in cell adhesion and control of cell growth and migration. Plays a key role in the antiproliferative action of IFN-gamma either by inhibiting the ERK activation or by arresting cell growth in G1 phase in a p53-dependent manner. Acts as a positive regulator of osteoblast differentiation.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	31.0 kDa

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AA Sequence	MHKEEHEVAVLGPPPSTILPRSTVINIHSETSVPDH
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	IFITM1 interferon induced transmembrane protein 1 [Homo sapiens]
Official Symbol	IFITM1
Synonyms	IFITM1; 9 27; CD225; leu-13 antigen; 9-27; IFI17; LEU13;
Gene ID	8519
mRNA Refseq	NM_003641
Protein Refseq	NP_003632
MIM	604456

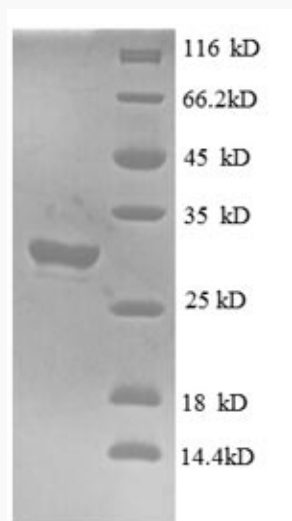
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UniProt ID

P13164



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

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