

Recombinant Human IFITM2 Protein, His-GST-tagged

Cat. No. IFITM2-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFITM2 Protein (1-132 aa (full-length)) with 6xHis-GST tags was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-132
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 (DNV), West Nile virus (WNV), human immunodeficiency virus type 1 (HIV-1) and vesicular stomatitis virus (VSV). Can inhibit: influenza virus hemagglutinin protein-mediated viral entry, MARV and EBOV GP1,2-mediated viral entry, SARS-CoV S protein-mediated viral entry and VSV G protein-mediated viral entry. Induces cell cycle arrest and mediates apoptosis by caspase activation and in p53-independent manner.
Molecular Mass	43.2 kDa
Purity	>90% confirmed by 10% SDS-PAGE stained with Coomassie Blue (CB).
Applications	ELISA, Western Blot, Antibody Production, Protein array

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Quality Control Test	10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-GST(WB) and peptide fingerprinting by MALDI-TOF mass spectrometry.
Storage	Store working aliquots at 4 centigrade for up to one week. For extended storage, conserve at -80 centigrade.
Expiry	12 months from the date of purchase, if it is properly stored.
Storage Buffer	20mM Sodium Phosphate, 0.5M NaCl, 0.15M imidazole, pH 7.4. No preservatives added.
Shipping	Dry Ice

GENE INFORMATION

Gene Name	IFITM2 interferon induced transmembrane protein 2 [Homo sapiens (human)]
Official Symbol	IFITM2
Synonyms	IFITM2; interferon induced transmembrane protein 2; 1-8D; DSPA2c; interferon-induced transmembrane protein 2; dispanin subfamily A member 2c; interferon-inducible protein 1-8D
Gene ID	10581
mRNA Refseq	NM_006435
Protein Refseq	NP_006426
MIM	605578

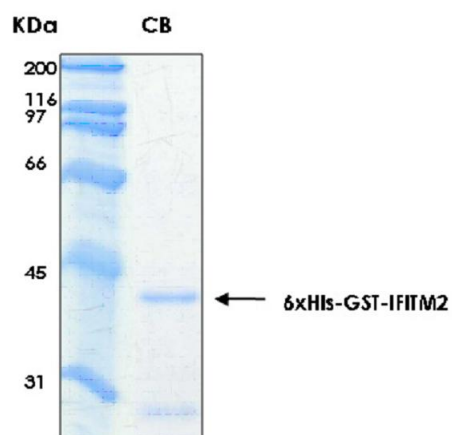
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UniProt ID

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