

Product datasheet for TP301617L

IFITM1 (NM_003641) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interferon induced transmembrane protein 1 (9-27) (IFITM1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201617 protein sequence Red=Cloning site Green=Tags(s)

MHKEEHEVAVLGAPPSTILPRSTVINIHSETSVPDHWVWVSLFNTLFLNWCCLGFI AFAYSVKSRDRKMGV
DVTGAQAYASTAKCLNIWALILGILMTIGFILLLVFGSVTVYHIMLQIIQEKRGY

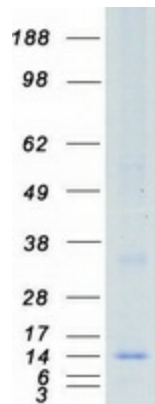
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	13.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003632
Locus ID:	8519
UniProt ID:	P13164 , A0A024R210
RefSeq Size:	733



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Cytogenetics:	11p15.5
RefSeq ORF:	375
Synonyms:	9-27; CD225; DSPA2a; IFI17; LEU13
Summary:	<p>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 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.</p> <p>[UniProtKB/Swiss-Prot Function]</p>
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	B cell receptor signaling pathway

Product images:

Coomassie blue staining of purified IFITM1 protein (Cat# [TP301617]). The protein was produced from HEK293T cells transfected with IFITM1 cDNA clone (Cat# [RC201617]) using MegaTran 2.0 (Cat# [TT210002]).