

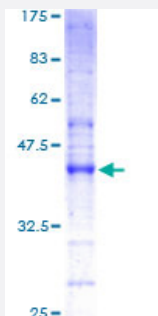
Full-Length

IFITM3 (Human) Recombinant Protein (P01)

Catalog # H00010410-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human IFITM3 full-length ORF (AAH06794, 1 a.a. - 133 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNHTVQTFSPVNSGQPPNYEMLKEEHEVAVLGAPHNPAPPTSTVIHIRSETSVDPDHVVWSLFNT LFMNPCCCLGFIAFAYSVKSRDRKMVGDTVGAQAYASTAKCLNIWALILGILMTILLMIPVLIFQAYG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	40.37
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IFITM3

Entrez GeneID [10410](#)

GeneBank Accession# [BC006794](#)

Protein Accession# [AAH06794](#)

Gene Name IFITM3

Gene Alias 1-8U, IP15

Gene Description interferon induced transmembrane protein 3 (1-8U)

Omim ID [605579](#)

Gene Ontology [Hyperlink](#)

Other Designations interferon-induced transmembrane protein 3 (1-8U)|interferon-inducible

Publication Reference

- [Cholesterol Binds the Amphipathic Helix of IFITM3 and Regulates Antiviral Activity.](#)

Kazi Rahman, Siddhartha A K Datta, Andrew H Beaven, Abigail A Jolley, Alexander J Sodt, Alex A Compton.

Journal of Molecular Biology 2022 Oct; 434(19):167759.

Application: WB-Ce, Recombinant proteins

- [IFITM3 functions as a PIP3 scaffold to amplify PI3K signalling in B cells.](#)

Jaewoong Lee, Mark E Robinson, Ning Ma, Dewan Artadji, Mohamed A Ahmed, Gang Xiao, Teresa Sadras, Gauri Deb, Janet Winchester, Kadriye Nehir Cosgun, Huimin Geng, Lai N Chan, Kohei Kume, Teemu P Miettinen, Ye Zhang, Matthew A Nix, Lars Klemm, Chun Wei Chen, Jianjun Chen, Vishal Khairnar, Arun P Wiita, Andrei Thomas-Tikhonenko, Michael Farzan, Jae U Jung, David M Weinstock, Scott R Manalis, Michael S Diamond, Nagarajan Vaidehi, Markus Müschen.

Nature 2020 Dec; 588(7838):491.

Application: Func, WB-Re, Recombinant proteins

- [Identification of the IFITM3 gene as an inhibitor of hepatitis C viral translation in a stable STAT1 cell line.](#)

Yao L, Dong H, Zhu H, Nelson D, Liu C, Lambiase L, Li X.

Journal of Viral Hepatitis 2011 Oct; 18(10):e523.

Application: Func , Human, HeLa cells

Disease

- [Colitis](#)
- [Genetic Predisposition to Disease](#)