



Fragilis (1 8U, Ifitm3, Interferon Induced Transmembrane Protein 3, Interferon inducible protein 1 8U, Interferon Inducible Protein 15, Interferon Inducible Protein Homolog)

Catalog number

F6072-60

Supplier

United States Biological

Interferon-induced transmembrane protein 3 (Ifitm3); Fragilis Official Gene Symbol: Ifitm3 Gen Bank Accession Number: NM_025378 Gene ID: 66141(Mouse) Gene Map Locus: 7F5 (Mouse) Fragilis is an IFN-induced transmembrane protein that belongs to the highly conserved fragilis protein family. It consists of an N-terminal signal sequence, 2 putative transmembrane domains, 3 potential phosphorylation sites and C-terminal Leucine-zipper. It is expressed in early embryos and nascent primordial germ cells and is associated with Germ cell specification and development. It is cell surface protein and might be important in mediating interactions amongst germ cells and their surrounding neighbors. It is also suggested that it might be involved in anti-proliferative signaling and homotypic cell adhesion.

Applications

Suitable for use in ELISA and Western Blot. Other applications not tested.

Recommended Dilution

Western Blot: 1ug/ml
Optimal dilutions to be determined by the researcher.

Positive Control

NIH 3T3

Storage and Stability

May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, add sterile 40-50% glycerol, aliquot and store at -20°C. Aliquots are stable for at least 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

Synthetic peptide from amino acid region 1-50 of mouse Fragilis. Cellular Localization: Cell Membrane

Formulation

Supplied as a liquid in PBS, 0.2% gelatin, 0.05% sodium azide.

Purity

Purified by immunoaffinity chromatography.

**Specificity**

Recognizes mouse Fragilis. Species sequence homology: rat.

Product Type

Pab

Source

mouse

Isotype

IgG

Grade

Affinity Purified

Applications

E WB

Crossreactivity

Mo

Storage

4°C (-20°C Glycerol)

Reference

Saitou M et al. A molecular programme for the specification of germ cell fate in mice. Nature 418:293-300 (2002).