

Recombinant Human IFITM5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IFITM5-726H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IFITM5 MS Standard C13 and N15-labeled recombinant protein (NP_001020466) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a membrane protein thought to play a role in bone mineralization. This gene is located on chromosome 11 in a cluster of related genes which are induced by interferon, however, this gene has not been shown to be interferon inducible. A similar gene, located in a gene cluster on mouse chromosome 7, is a member of the interferon-inducible fragilis gene family. The mouse gene encodes a transmembrane protein described as participating in germ cell competence. A mutation in the 5' UTR of this gene has been associated with osteogenesis imperfecta type V (PMID: 22863190, 22863195).
Molecular Mass	14.2 kDa
AA Sequence	MDTAYPREDTRAPTPSKAGAHTALTLGAPHPPPRDHLIWSVFSTLYLNLCCGLFLAL AYSIKARDQKVVGDLAARRFGSKAKCYNILAAMWTLVPPLLLLGLVVTGALHLARLA KDSAAFFSTKFDDADYDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

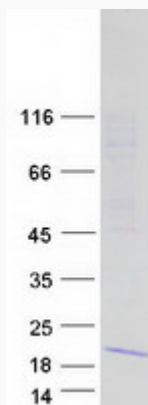
GENE INFORMATION

Gene Name	IFITM5 interferon induced transmembrane protein 5 [Homo sapiens (human)]
Official Symbol	IFITM5
Synonyms	IFITM5; interferon induced transmembrane protein 5; interferon-induced transmembrane protein 5; BRIL; fragilis4; Hrmp1; bone-restricted interferon induced transmembrane protein-like protein; bone-restricted interferon-induced transmembrane protein-like protein;
Gene ID	387733
mRNA Refseq	NM_001025295
Protein Refseq	NP_001020466
MIM	614757
UniProt ID	A6NNB3

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SDS-PAGE

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