

Product datasheet for **SC302389**

IFITM5 (NM_001025295) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFITM5 (NM_001025295) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFITM5
Synonyms:	BRIL; DSPA1; fragilis4; Hrmp1; OI5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001025295 edited
GTTACCAGTCTGAGTGTGGAAGAGACGGCGCTGGAACCCATGGACACGGCGTATCCCCCG
GAGGACACCCGGGCCCCACGCCAGCAAGGCCGGTGCCACACAGCCCTCACACTGGGG
GCCCCGACCCCCCGCCTCGAGACCACTTGATCTGGTCGGTGTTACAGACCCTCTACCTG
AATCTGTGTTGCCTCGGCTTCTGGCGCTGGCCTACTCCATCAAGGCCCGAGATCAGAAG
GTGGTTGGTGACCTGGAAGCGGCCGGCGTTTTGGCTCCAAAGCCAAGTGTACAACATC
CTGGCCGCGATGTGGACGCTGGTCCGCACTGCTGCTCCTGGGGCTGGTGGTACTGGT
GCCCTGCACCTGGCCCGGCTGGCCAAGGACTCTGCCGCCTTCTCAGCACCAAGTTTGAT
GACGCGGACTATGACTGACAGGCTGGGTCCTGATCTGGGGCACTAGCCCCAGGACTGA
CCCCAGGCTGCTGCCCTGGGGCCAATACTGACTCCCCGGAGCCTGGCCCTCCTTCTGT
GGGGCCTCCATCCCTGCCCATCCTGATCCTGGGGCCCTCCAGCCCAACATGGGCACCT
AAAGCTGAACCAGTCAGACCCCGGGTCTTACCCTAACCAGAGATTCCCGGGCCCTAA
CTCTGCCCCGATCCTGCCCTCCTCCTCACACTCCAGGCCCTCGGTTCCACGATTA
AAGTGCCTGGTCCAG

Restriction Sites: Please inquire

ACCN: NM_001025295

Insert Size: 700 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001025295.1.



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001025295.1, NP_001020466.1</u>
RefSeq Size:	733 bp
RefSeq ORF:	399 bp
Locus ID:	387733
UniProt ID:	<u>A6NNB3</u>
Cytogenetics:	11p15.5
Protein Families:	Transmembrane
Gene Summary:	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). [provided by RefSeq, Aug 2012]