GHITM cDNA Clone – Growth Hormone Inducible Transmembrane Protein (Human)

PRODUCT OVERVIEW

Product Name	GHITM, cDNA Clone
Full Product Name	GHITM cDNA Clone
Product Gene Name	GHITM cdna clone
Sequence	atgttggctg caaggctggt gtgtctccgg acactacctt ctagggtttt ccacccagct ttcaccaagg cctcccctgt tgtgaagaat tccatcacga agaatcaatg gctgttaaca cctagcaggg aatatgccac caaaacaaga attgggatcc ggcgtgggag aactggccaa gaactcaaag aggcagcatt ggaaccatcg atggaaaaaa tatttaaaat tgatcagatg ggaagatggt ttgttgctgg aggggctgct gttggtcttg gagcattgtg ctactatggc ttgggactgt ctaatgagat tggagctatt gaaaaggctg taatttggcc tcagtatgtc aaggatagaa ttcattccac ctatatgtac ttagcaggga gtattggttt aacagctttg tctgccatag caatcagcag aacgcctgtt ctcatgaact tcatgatgag aggctcttgg gtgacaattg gtgtgacctt tgcagccatg gttggagctg gaatgctggt acgatcaata ccatatgacc agagcccagg cccaaagcat cttgcttggt tgctacattc tggtgtgatg ggtgcagtgg tggctcctct gacaatatta gggggtcctc ttctcatcag agctgcatgg tacacagctg gcattgtggg aggcctctcc actgtggcca tgtgtgcgcc cagtgaaaag tttctgaaca tgggtgcacc cctgggagtg ggcctgggtc tcgtctttgt gtcctcattg ggatctatgt ttcttccacc taccaccgtg gctggtgcca ctctttactc agtggcaatg tacggtggat tagttctttt cagcatgttc cttctgtatg atacccagaa agtaatcaag cgtgcagaag tatcaccaat gtatggagtt caaaaatatg atcccattaa ctcgatgctg agtatctaca tggatacatt aaatatattt atgcgagttg caactatgct ggcaactgga ggcaacagaa agaaatga
Molecular Weight	37,205 Da
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GHITM cdna clone	MBS1271691 is a cDNA clone targeting GHITM.
Other Notes	Small volumes of GHITM cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GHITM. It may not necessarily be applicable to this product.

NCBI GI #	14714456
NCBI GeneID	27069
NCBI Accession #	BC010354
UniProt Secondary Accession #	O95894; Q5VT95; Q9H0P2; A8K9Z9; D3DWE0
UniProt Related Accession #	Q9H3K2
NCBI Official Full Name	Homo sapiens growth hormone inducible transmembrane protein, mRNA
NCBI Official Synonym Full Names	growth hormone inducible transmembrane protein
NCBI Official Symbol	GHITM
NCBI Official Synonym Symbols	DERP2; MICS1; My021; PTD010; TMBIM5; HSPC282
UniProt Protein Name	Growth hormone-inducible transmembrane protein
UniProt Synonym Protein Names	Dermal papilla-derived protein 2; Mitochondrial morphology and cristae structure 1; MICS1; Transmembrane BAX inhibitor motif-containing protein 5

Protein Family	Growth hormone-inducible transmembrane protein
UniProt Gene Name	GHITM
UniProt Synonym Gene Names	DERP2; MICS1; TMBIM5; MICS1
UniProt Entry Name	GHITM_HUMAN
NCBI Protein Information	growth hormone-inducible transmembrane protein
UniProt Comments for GHITM	GHITM: Required for the mitochondrial tubular network and cristae organization. Involved in apoptotic release of cytochrome c. Belongs to the BI1 family. Protein type: Mitochondrial; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 10q23.1 Molecular Function: protein binding
Research Articles on GHITM	**1.** These results suggest that the TMBIM family has comparable functions in the maintenance of intracellular Ca(2) homeostasis in a wide variety of tissues
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