IFI6 Positive Control

PRODUCT OVERVIEW

Product Name	IFI6, Positive Control
Full Product Name	IFI6 Positive Control
Product Gene Name	IFI6 positive control
Concentration	The concentration of the sample is empirically set so that 20 ul per lane in Western and blotted with corresponding affinity purified antibody will give a clean band with a high signal to noise ratio on the gel. (lot specific)
Preparation and Storage	Store at -20 degree C for long term storage
Matching Pairs	Antibody: IFI6 (MBS5401126) Positive Control: IFI6 (MBS5401267)
Matching Pairs	Antibody: IFI6 (MBS5401127) Positive Control: IFI6 (MBS5401267)
Molecular Weight	12,927 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (27992572..27998724, complement). Location: 1p35
OMIM	147572
3D Structure	ModBase 3D Structure for P09912
Immunogen	Purified Interferon alpha-inducible protein 6
Product Categories/Family for IFI6 positive control	Biomolecule
Applications Tested/Suitable for IFI6 positive control	Western Blot (WB)
Related Product Information for IFI6 positive control	MBS5401267 is a positive control targeting IFI6. Western Blot Positive Control Interferon alpha-inducible protein 6
Other Notes	Small volumes of IFI6 positive control 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 IFI6. It may not necessarily be applicable to this product.

NCBI GI #	13259552
NCBI GeneID	2537
NCBI Accession #	NP_002029.3
UniProt Primary Accession #	P09912
UniProt Secondary Accession #	Q13141; Q13142; Q5VVR2; Q5VVR3; Q6IE95; Q969M8
UniProt Related Accession #	P09912
GenBank Nucleotide #	NM_002038.3
NCBI Official Full Name	interferon alpha-inducible protein 6 isoform a

NCBI Official Synonym Full Names	interferon, alpha-inducible protein 6
NCBI Official Symbol	IFI6
NCBI Official Synonym Symbols	6-16; G1P3; FAM14C; IFI616; IFI-6-16
UniProt Protein Name	Interferon alpha-inducible protein 6
UniProt Synonym Protein Names	Interferon-induced protein 6-16
Protein Family	Interferon alpha-inducible protein
UniProt Gene Name	IFI6
UniProt Synonym Gene Names	G1P3; Ifi-6-16
UniProt Entry Name	IFI6_HUMAN
NCBI Protein Information	interferon alpha-inducible protein 6; interferon-induced protein 6-16; interferon, alpha-inducible protein clone IFI-6-16
NCBI Summary for IFI6	This gene was first identified as one of the many genes induced by interferon. The encoded protein may play a critical role in the regulation of apoptosis. A minisatellite that consists of 26 repeats of a 12 nucleotide repeating element resembling the mammalian splice donor consensus sequence begins near the end of the second exon. Alternatively spliced transcript variants that encode different isoforms by using the two downstream repeat units as splice donor sites have been described. [provided by RefSeq, Jul 2008]
UniProt Comments for IFI6	IFI6: first identified as one of the many genes induced by interferon. The encoded protein may play a critical role in the regulation of apoptosis. A minisatellite that consists of 26 repeats of a 12 nucleotide repeating element resembling the mammalian splice donor consensus sequence begins near the end of the second exon. Alternatively spliced transcript variants that encode different isoforms by using the two downstream repeat units as splice donor sites have been described. [provided by RefSeq, Jul 2008] Protein type: Membrane protein, multi-pass; Apoptosis; Membrane protein, integral Chromosomal Location of Human Ortholog: 1p35 Cellular Component: mitochondrion; plasma membrane; integral to membrane Molecular Function: protein binding Biological Process: release of cytochrome c from mitochondria; cytokine and chemokine mediated signaling pathway; immune response; negative regulation of caspase activity; negative regulation of mitochondrial depolarization
Research Articles on IFI6	**1.** Here we elucidate G1P3, a survival protein induced by interferons (IFNs), as a target of estrogen signaling and a contributor to poor outcomes in estrogen receptor-positive (ER(+)) breast cancer.
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