

## Product datasheet for **MG217907**

### Ifi44 (NM\_133871) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ifi44 (NM_133871) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ifi44
Synonyms:	A430056A10Rik; AW261460; MTAP44; p44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217907 representing NM_133871 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCATGAGAAGCTCGTTTGACATGGCAGCAAGAAAAGTGCCTGCAGAATTATTTGGAGGAAAACGTT  
TTTGTCTCTTTACAAGGCGAGTGTGCAGAAGTTTCTCATCAGAATTGCTCTGCACATGTGAGAATCA  
AGGTCCTACCATGATAGTGGTTTACAGTGAAAAGTGTGTTATTGGCATGTACCTGAAAGAGGGCTTCCAG  
GGAAAAGATGTTTCTATCACCATTTTGCCTCAAGAGACTGGATTTTCACTATGTGCAAAAGGACCAG  
ATTCACCATATTTATTGTTCCATAAAAGAAAACTAATGATTTCTTATACTATTAGATGAGAAAGCTGT  
GATTGTAAGTTCAGCAATCTGTAAAATGCTCCAAGTACTGCTCGCAATAATGTCATACCTATTCAGGAG  
TGTGAAGCTTTTCGATGTGAAGGTTGTTGGATGAAAGAAAAGACAAGAGGCATTGCTGTGTTACATAGTA  
ACTTACTGCAGGCCCTGAGAGACTACAAGCCGTATGGAGACCTGGTTCAAGAACACGAGTTCTGCTGCT  
GGGTCTATTGGAGCTGGGAAGTCTAGCTTTGTGAAGTCAAGTCTGTGTTCAAGGGCAGCATCACA  
CACCAGATCTTGGTGGGCTGTGATGAAGATGGAATCTCTGACAAGTACAGGACATATCCATCAAGGTCA  
AGGATGACAGTGACCCCTGCCATTTATTCTGTGTGACTCACTGGGGCTGGGTGAGAATGCCGGCTTGA  
CACAGACGATGTATGGCACATCTTAAAGGGCCACACTCCTGACAGATACCAGTTCGATTCATGAAACCA  
ATCACATCAAACCATCCGAATACCCATGACCCACTGCTGAAGGACAGAATTCAGTGTGTTTGT  
TGTTTGATATCAATTCTTTGAAATGCACTCTTCTGAGCTGGTGGCAAAGATCAAGAAAATTCGAAGAGA  
CTTGATAAAACATGGCATTCTGCATTTGCTTTACTTACACACGTGGATAGCCTGGATCTGATTACAAAA  
GAAGACATGACAGACATATACTATAGTCTGTGAAGTCCAAGCTGGAGGCATTCCATGGAGTCTTTG  
GTTTTGCCTTATCTGACATCTTGGTGGTGAAGTATATGTCTCAGAGTGGCAGCTGGACCCCGTGAAGGA  
CATGCTGATCCTCTCGGCACTGAAGGAGATCCTGTATACTGCAAATGAATTCTTGGAGGATTTGCCTTTG  
AAAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG217907 representing NM\_133871  
 Red=Cloning site Green=Tags(s)

MAMRTRLTWQEQEKCLQNYFGGKRFCLLYKASVQKFSHQNLLCTCENQGPTMIVVYSEKCVIGMYLKEGFQ  
 GKDVSITIFALQETGFS LCAKGPDSPYLLFHKRKTNDFSILLDEKAVIVSSAICKMLQLTARNNVIPIQE  
 CEAFRCEELLDERKTRGIAVLHSNLLQALRDYKPYGDLVQQTRVLLLGPIGAGKSSFVNSVKS VFKGSIT  
 HQILVGCDDEDGISDKYRTYSIKVKDDSDPLPFILCDSLGLGENAGLHTDDVWHILKGHTPDRYQFDSMKP  
 ITSNHPNYTHDPLLKDRIHCVVVFVDINSFEMHSSELVAKIKKIRRDLIKHGILHLALLTHVDSL DLITK  
 EDMTDIYNYPVKS KLEAFHGVFGFALS DILVVS NYVSEWQLDPVKDMLILSALKEILYTANEFLEDLPL  
 NK

TRTRPLE - GFP Tag - V

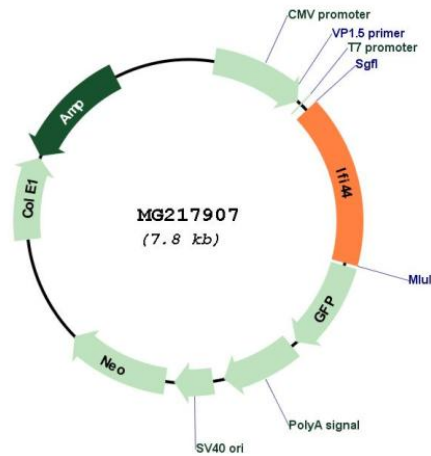
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_133871

<b>ORF Size:</b>	1266 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133871.1</a>
<b>RefSeq Size:</b>	2916 bp
<b>RefSeq ORF:</b>	1269 bp
<b>Locus ID:</b>	99899
<b>UniProt ID:</b>	<a href="#">Q8BV66</a>
<b>Cytogenetics:</b>	3 H3
<b>Gene Summary:</b>	This protein aggregates to form microtubular structures.[UniProtKB/Swiss-Prot Function]