

## Product datasheet for **MG206095**

### Usp50 (NM\_029163) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Usp50 (NM_029163) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Usp50
Synonyms:	1700086G18Rik; 4930511O11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206095 representing NM_029163 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGCTTCATTGACATGGCGTCTCATCGGCCGTCCCTGCAGACGACTTCGGTGCCTACTACAACCTTG  
CGGAGTGTGCAGACTATGACTCCCTGCCGGAGTCTAAGACCCAGCCACACTTCAGGGCGTGACGGGACT  
GCGGAACCTGGGCAACACCTGCTACATGAACGCCATCTTGAATGCCTCTGCAGCGTATCTCCACTGGT  
GAGTACTTCTGTCCGAAAGTACATCACAGCTCTTAAGAAGGACTGCAGTGAGGTTACCACCGCCTTTG  
CCTACCTGATGACAGATATGTGGCTTGGGACTCAGACTGTGTCTCACCAGAGATATTTCTGTCGGCTGT  
TGGCAGTCTTTACCCAGCTTTTCTGAAAAAGACACAGCAAGATGCGCAGGAGTTCCTGATTACGTCTCT  
AACGAGCTTCATGAAGCTTTGAAAAAGCACTGCCGAAGAAGAGTGAATGAGAAAAGAACAGGCCAAAGCT  
GCTGCAGGAAGGTGCCGGCCAGGAGACCTCCATCATCACCCGGCTGTTTGAAGGACAGCTCAGTTACAG  
CATCACATGTTTAAAGTGTGAGAGCTGCACGCACAAGAACGAAGTTTTACCATCCTCTCCCTCCCCATC  
CCATCTGACTATGAATGTTCCCTCCAGGACTGTCTCCAGTGTTTTTTCCAACAGGACACACTGACCTGGA  
GCAACCAATCTATTGTTCCCTTTGTGAAATCAAGCAAGAGGCAGCTGTGAGGACCACGATTTCCAAGGT  
GCCGAAAATAATTGTTTTCACTTTAAAAGTTTGACATCCAGGGCACAGTAAAGAGGAAGCTGCCGACA  
GACATCCATTACCCCTGACCAACCTGGACCTCACTCCTTATATCTGTCCAGTTTTCCGGAACATCCCCA  
TGTACAACCTGTGCGCAGTGGTGAACCACTTTGGAGATCTGGATGGTGGTCACTACACTGCTTTCTGCAA  
GAACTCGTAACCTCAGGCTGGTACAGCTTTGATGACACCCGAGTCAGTGAGATCCAGATACTTCTGTT  
CAAACAGCTACAGCCTATCTTCTGTTCTATAGCTGCCAGCCTTTTTCTATACCAGCACAGAAACGCAAGA  
GCCAGGACAGTACTCCTGACCACTGCAAGCAAGCTATCCGAAAGTGGCCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206095 representing NM\_029163  
Red=Cloning site Green=Tags(s)

MCFIDMASHRPVPADDFGAYYNLAECADYDSLPEskTQPHFQGVtGLRNLGNTCYMNAILQCLCSVSPLV  
 EYFLSGKYITALKKDCSEVTTAFAYLMTDMWLGDSDCVSPEIFLSAVGSLYPAFLKKTQQDAQEFLIYVL  
 NELHEALKKHCRRRVNEKRTGQSCCRKVP AQETSIIITRLFEGQLSYSITCLKCESCTHKNEVFTILSLPI  
 PSDYECSLQDCLQCFFQD TL TWSN QIYCSFCEIKQEA AVRTTISKVPK IIVFHFKRFDIQGTVKRKLRT  
 DIHYPLTNL DLTPIYICPVFRKHPMYNLCAVVNHFGDLDGGHYTAFCKNSVTQAWYSFDDTRVSEIPDTSV  
 QTATAYLLFYSCQPF SIPAQKRKSQDSTPDHCKQAIRKWP

TRTRPLE - GFP Tag - V

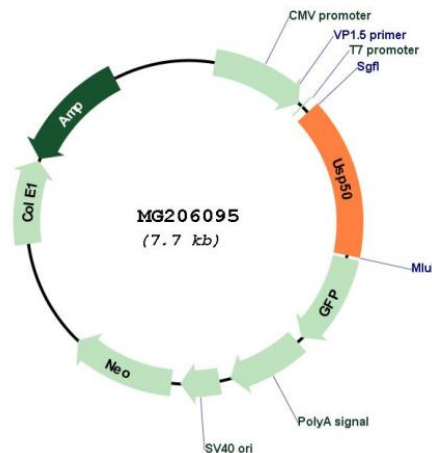
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_029163

<b>ORF Size:</b>	1170 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_029163.1</a> , <a href="#">NP_083439.1</a>
<b>RefSeq Size:</b>	1361 bp
<b>RefSeq ORF:</b>	1173 bp
<b>Locus ID:</b>	75083
<b>UniProt ID:</b>	<a href="#">Q6P8X6</a>
<b>Cytogenetics:</b>	2 F1
<b>Gene Summary:</b>	May recognize and hydrolyze the peptide bond at the C-terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins (By similarity).[UniProtKB/Swiss-Prot Function]