

Product datasheet for **MG208613**

Ubox5 (NM_080562) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubox5 (NM_080562) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ubox5
Synonyms:	1500010O06Rik; C330018L13Rik; Rnf37; Ubce7ip5; Ube7ip5; UIP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208613 representing NM_080562
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAGTAAATCTTTGCCTCCCACAGTTCAGACCAAGAATTCACTGCAACAAGGTGTCAGCTGATGGTT
 ACGAAGTAGAAAATCTCATCTCTGAAGACCTCATAAAAAGAAGCCATGGCTTTAGGACAGAGTATTCAT
 TAGACCTCCAATCTATGTGACAGTTTCCTTTCCCTTTAATGTGGAATCTGTAGGTTAATATAGATCTC
 ACAACTGGGGGATGTCAGAATGTCTCTGGCCTGGAATTATACATCTGCCTTATCTAGCAGAGTCTCTC
 AGGATGCCAGGACTGCTGGACTACAGGCCGGTGGAGACATCTGTCCAGACAAGGAGGCCCTTACCTT
 GGTAGGCAAAGTCTTACTGAAAAACCAGAACCATGTGGTGTTCAGCCACAGGGGCTTCAAGGCCAGGCCA
 CCTTTTAGCCGATGGAAGTCACTCTCCTCTCCTGCTGTTGTAGCCAGGAACCTGGAATAAAGGGG
 CTCTTTCCCTTAGCCATGTGCCACCTCAAGATCGGCATCACCCATGTGACGGGACGTGGCATCTCTTG
 CATCAAGCGTTTAGAGGTGTGGGTGAGCCAGCCAGGACCTGCTCTCAGGAGGTGATAAATAGTGTCTTG
 TTGATAGCCTCAGAAAGCCTGCCTCAGGACTTGGATCTGCATGCTCCAGCCTTGCCCATGGAGAGTGACT
 GTGACCCTGGGGGTGAGTCTGAGAGCCAGCACTCTCCCTGTACCTTACAGGACATGTCTGAGGTGAAAAG
 TGACGTTCCAGAGGAGTTCCTGGATCCTATCACCTGGAGATCATGCCATGCCCATGCTGCTGCCCTCA
 GGCAAGGTCATTGACCAGAGCACTCTGGAGAAGTGAACCTCAGTGAAGCTGCTTGGGGCCGAGTGCCCA
 GTGACCCTTTCACAGGGCTAGCCTTACTCCACAGTCCCAGCCCTCCCTCATCCTTCCCTGAAAGCCCG
 GATCGACCGGTTCTACTCCAGCACTCTATTTCAAGGCTGCCGCTGCTTGGGAGAGCACAGACTCCATCA
 GCAATGACCCCTTCTGTATTACCCTGCCCTCAAGGAAAAGGAAGACAGAGCAGGCTGAACACAGCTCAC
 ACTACAGCCTTGGCATGAGTGCCTTCCCTCTGCCACAAGCCCTTATTCTCACCTACTACTCAGAGCC
 AACTGCCAAGAAGATGAAAGCCACCAGTGAGCTTGGCCTGACGGACATGGACTGTTGAGCAGGTCCAGTG
 TCCCATGAGCAGAAGCTGGCGCAAAGTCTGAAAATTGCCCTGACTTCTACCTTGCTCCATGCCTTCT
 TCACTGCCCGGCTCACCAAAGGGCAGCTCCAGCTGGGCACAAGAGGGAGCAGTGTGTCAGGAGGCCAGC
 CTCCAGCTCCGAGCATCCAAGGAGTGTCTTGGCCAGAGTGTGCTCCTGCAAACAAGCATTTTCTTCC
 TACTCCACAAATGAGCCTGTGTACCAGCTGCCCTGTGGTACCTTCTGTGCCGACCCTGCCTGAGTGAGA
 AGCAACGTTCCAGCCCATGATGTGCACAGCCTGTGGCAGCCAGTCACCAGCCAGGATGTGCTGCGGGT
 CCATTTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208613 representing NM_080562
 Red=Cloning site Green=Tags(s)

MVNVNLCLPQFRPRIHCNKVSADGYEVENLISEDLIKRSHGFRTEYFIRPPIYVTVSFPFNVEICRVNIDL
 TTGGCQNVSGLELYTSALSSRVSDAQDCWTTGPVETSVDPKEAFTLVGKVLLKNQNHVVFSHRFGKARP
 PFFSPMEVTLTSPAVVAQELWNKGALSLSHVAHLKIGITHVTGSGISCIKRELVWGPARTCSQEVINSVL
 LIASESLPQDLDLHAPALPMESDCDPGGQSESQHSPTLQDMSEVESDVPEEFLDPITLIMPCLMPS
 GKVIDQSTLEKCNLSEAAWGRVSPDFTGLAFTPQSQPLPHPSLKARIDRFLQHSISGCRLLGRAQTPS
 AMTPSVITLPSRKRKTEQAEHSSHYSLGMASASSATSPLFSPTTSEPTAKMKKATSELGLTDMDCSAGPV
 SHEQKLAQSLEIALTSTLGSMPSTARLTKGQLQLGTRGSSACRRPASSEHPRS SVSGPECASCKQAFSS
 YSTNEPVYQLPCGHLLCRPCLSEKQRSQPMCTACRQPVTSDVLRVHF

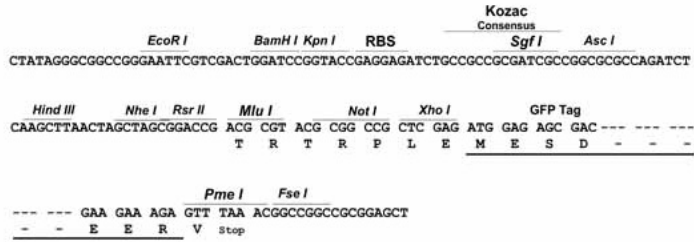
TRTRPLE – GFP Tag – V

Restriction Sites:

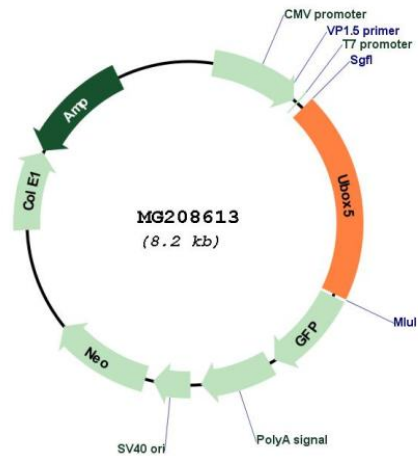
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_080562
ORF Size:	1617 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_080562.2 , NP_542129.2
RefSeq Size:	3685 bp
RefSeq ORF:	1620 bp
Locus ID:	140629
UniProt ID:	Q925F4
Cytogenetics:	2
Gene Summary:	May have a ubiquitin-protein ligase activity acting as an E3 ubiquitin-protein ligase or as a ubiquitin-ubiquitin ligase promoting elongation of ubiquitin chains on substrates. [UniProtKB/Swiss-Prot Function]