

Product datasheet for **MG202842**

5730409G15Rik (BC051078) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5730409G15Rik (BC051078) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	5730409G15Rik
Synonyms:	5730409G15Rik; eEF2-KMT; Fam86; Fam86a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202842 representing BC051078 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCAAGAGTCCACCCAGTGCCACCGGAGCTATTTGCTGCCTTCAGGAACTCAGTTACACTCTCTG
AGAGCACTGCCATCGTGTCCCATGGCACCACAGGCTTGTTACATGGACGCTGCTCTACCTGGCAGA
ATGGGCCATTGAGAACCAGCAGCCTTCACTGACAGGACTATCCTGGAGCTAGGCAGTGGAGCTGGCCTT
ACAGGCCTGGCAATTTGCAAGGCATGCTGCCCCAGAGCATAACATCTTCAGCGACTGTCATGCCCAAGTGC
TTGAGCAGCTCCGTGAAACGTTCTCCTCAACGGCTTCTCCTTAGAGCCGCACACCCCATTGACGCAGG
CAGCTCGAAGGTGACAGTGGCTCAGCTGGACTGGGACGAGGTGACAGCCTCTCAGCTCTCTGCCTCCAG
GCAGATGTTGTCATTGCAGCAGATGTAAGTACTGCTGGGAGATGACACTGTCAGTGGTCAAGGCTCTGA
AGATGCTCGAGGACTGCCAGAGGAAGAGCGCTCCTGATGTCTATGTAGCCTATACTATCCGCAGCCAGGA
CACAGGCAAGCTGTTTCATCGAAGAGCTGGACCGTCTGGAATCTACTGGGAAGAGGTGCCCCCTCACACT
GGCAAACCTGTTCCCTTACGAAGAGCATTACGCCATCGTAATCCTGAAGCTGGTGTGACCACTCGCCATG
GTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202842 representing BC051078
 Red=Cloning site Green=Tags(s)

MTQESTQCHRSYLLPSGNSVTLSESTAIIVSHGTTGLVTWDAALYLAEWAIENPAAFTDRTILELGSAGL
 TGLAICKACCPRAYIFSDCHAQVLEQLRGNVLLNGFSLEPHTPIDAGSSKVTVAQLDWDEVASQLSAFQ
 ADVVIAADVLYCWEMTSLVVRVLMLEDCQRKSAPDVVYVYTIIRSQDTGKLFIEELDRAGIYWEVPPHT
 GKLFPEEHSIAIVILKLVLTSRHGV

TRTRPLE - GFP Tag - V

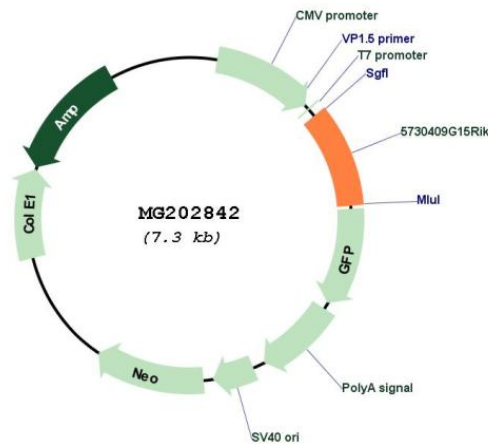
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC051078

ORF Size: 707 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:	BC051078 , AAH51078
RefSeq Size:	1560 bp
RefSeq ORF:	707 bp
Locus ID:	70511
Cytogenetics:	16 2.51 cM
Gene Summary:	Catalyzes the trimethylation of eukaryotic elongation factor 2 (EEF2) on 'Lys-525'. [UniProtKB/Swiss-Prot Function]