

Product datasheet for **MG203114**

Rtbdn (NM_144929) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtbdn (NM_144929) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rtbdn
Synonyms:	A330096I21Rik; BC022744; Rtbnd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203114 representing NM_144929 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GGCGCGCC**

ATGGCCACGAAGGCCACTCTCAACACAGCGGCCCTGGTCTGGGCCCTGCGACCGATCCTGGCTTGGATCT
TCTTGGTGGCCTGTGGATGGAGTCACCCACTGCAGACTAGGTCTGGGGACACCCCTGGACTGGCAGCCAA
GGTGCGCACAGGCCAGCTGCAGCCGGCAGGGCACCCCTCAGTCCTCGGTTCTACCATCATACCCAAGGATC
CAAGTTCCTGGCTCACAGACACCACCAGTGCCAGTGCCTTGTCTACTGCAGAGATAGACAGACCAGAGA
GCCTTCTAGAGAGCTGCGGGCACCAAGCCAGAATGTGAATTCTCCTGGGACAACCTCAAGGAGCCCT
TCGCGATCGCTTCCACCCACAGCTCTTCGGGGCAGCCCAAGTGCAGCCTCTGCCCAGAGCTCTGCCAG
ATTTGGTTCACCACTGCCAAGCAGATTTATTTGTGGCCCGACTTGGCTGCAGTCTCTGGAGAGAGAG
GCTGTGAGCCCAGCTGCCGACCTATGGGCAGACCTTCGCCAACGCCACAGATCTGTGCTACTCTGTTTT
GGGTCAATGCTCGGGTAGCAGCTCCAGGTTCCAGTCACTGCCTCAACGTCTCCATCTCCTCTCCAGGA
GCGCGCCGCCCTCGTGCCTGGATTTCAAATGTTGTAGGCAGTGGTAGTGGCAGCGGCAGCGCGGACA
GCCCGAGCCAATGTTTGGCTTCAATACGTGTCCCTTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG203114 representing NM_144929
Red=Cloning site Green=Tags(s)

MAHEGHSQHSGLVWALRPILAWIFLVACGWSHPLQTRSWGHPGLAAKVRTGQLQPAGHPQSSVLPSPRI
 QVPGSQTPPVPCCTAEIDRPESLLESCGAPSPICEFLLGQLQALRDRFHPQLFGARPVQPLCPQLCQ
 IWFTTCQADFCGPTWLQSSGERGCEPSCRITYGQTFANATDLCHSVLGHVLRVAAPGSSHCLNVSISSPG
 ARRRPRAWISNVVGSVGSVGSVGSVGSPEPMFGFYVSLP

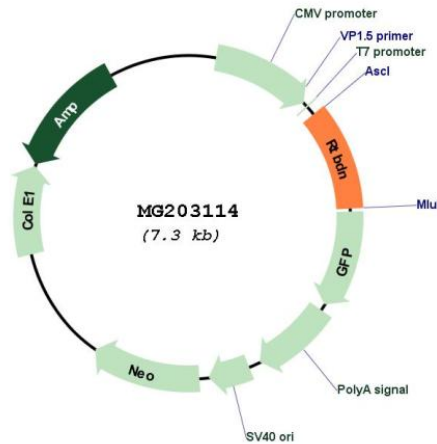
TRTRPLE - GFP Tag - V

Restriction Sites: AscI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_144929

ORF Size: 741 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_144929.3
RefSeq Size:	1923 bp
RefSeq ORF:	744 bp
Locus ID:	234542
UniProt ID:	Q8QZY4
Cytogenetics:	8 C3
Gene Summary:	Riboflavin-binding protein which might have a role in retinal flavin transport. [UniProtKB/Swiss-Prot Function]