

Product datasheet for **MG202325**

Rab25 (NM_016899) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab25 (NM_016899) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rab25
Synonyms:	AV012978
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202325 representing NM_016899 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAATCGAACAGATGAAGATTATAACTTTGTCTTTAAGGTGGTGCTGATCGCGAGTCAGGCGTGG
GCAAGACCAATCTGCTGTCCCGTTACCCGCAATGAGTTCAGCCACGACAGTCGCACCACCATCGGGT
TGAGTTCTCCACCCGACTGTAATGCTGGGCACCCTGCTGTCAAGGCACAGATCTGGACACGGCCGGC
CTGGAGAGATACAGAGCCATCACCTCTGCTACTATCGTGGGGCCGTGGGGCACTCCTGGTATTTGACC
TGACCAAGCACCAGACCTACGCTGTGGTGGAGCGCTGGCTAAAGGAGCTGTATGACCATGCCGAGCCAC
GATTGTTGTCATGCTCGTGGGAACAAAAGTGACCTCAGCCAGGCCGAGAGGTCCTACTGAGGAGGCC
TGATGTTTGTGCTGAAAACAATGGCTGCTGTTCCCTGGAGACGTCAGCCCTCGACTCCACCAATGTTGAGC
TAGCCTTCCAGACTGTCTCAAAGAGATCTTTGCAAAGGTGTCCAAGCAGAAGCAGAACAGCACCCGGAC
CAGTGCCATCACCTGGGCAATGCCAAGCTGGACAGGATCCTGGCCCTGGGAAAGAGGGCCTGTTGC
ATCAGCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202325 representing NM_016899
 Red=Cloning site Green=Tags(s)

MGNRTDEDYNFVFKVVLIGESGVGKTNLLSRFTRNEFSHDSRTTIGVEFSTRVMLGTAAVKAQIWDTAG
 LERYAITSAYYRGAVGALLVFDLTKHQTYAVVERWLKELYDHAEATIVVMLVGNKSDL SQAREVPTEEA
 CMFAENGLLLFLETSALDSTNVELAFQTVLKEIFAKVSKQKQNSTRTSAITL GNAQAGQDPGPGEKRACC
 ISL

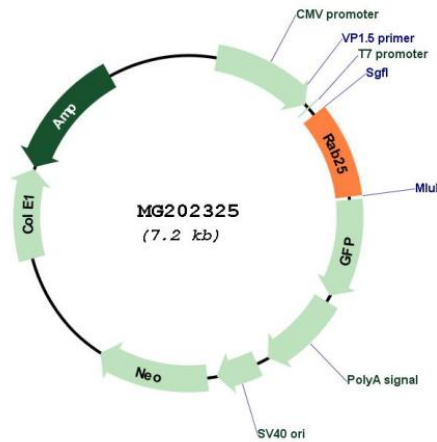
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_016899

ORF Size: 639 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_016899.4
RefSeq Size:	1061 bp
RefSeq ORF:	642 bp
Locus ID:	53868
UniProt ID:	Q9WTL2
Cytogenetics:	3 F1
Gene Summary:	Involved in the regulation of cell survival. Promotes invasive migration of cells in which it functions to localize and maintain integrin alpha-V/beta-1 at the tips of extending pseudopodia. Involved in the regulation of epithelial morphogenesis through the control of CLDN4 expression and localization at tight junctions (PubMed:22696678). May selectively regulate the apical recycling pathway. Together with MYO5B regulates transcytosis (By similarity).[UniProtKB/Swiss-Prot Function]