

Product datasheet for **RG225264**

FKBP7 (NM_001135212) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP7 (NM_001135212) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FKBP7
Synonyms:	FKBP23; PPIase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225264 representing NM_001135212 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAAAACCATGCATTTCTTATTCAGATTCATTGTTTTCTTTATCTGTGGGCCTTTTTACTGCTC
AGAGACAAAAGAAAGAGGAGAGCACCGAAGAAGTGAAAATAGAAGTTTGCATCGTCCAGAAAAGTCTC
TAAGACAAGCAAGAAGGGAGACCTACTAAATGCCATTATGACGGCTACCTGGCTAAAGACGGCTCGAAA
TTCTACTGCAGCCGGACACAAAATGAAGGCCACCCAAATGGTTTGTCTTGGTGTGGCAAGTCATAA
AAGGCCTAGACATTGCTATGACAGATATGTGCCCTGGAGAAAAGCGAAAAGTAGTTATACCCCTTCATT
TGCATACGGAAAGGAAGGCTATGAAGGCAAGATTCACCGGATGCTACATTGATTTTTGAGATTGAACTT
TATGCTGTGACCAAAGGACCACGGAGCATTGAGACATTTAAACAATAGACATGGACAATGACAGGCAGC
TCTCTAAAGCCGAGATAAACCTCTACTTGCAAAGGGAATTTGAAAAGATGAGAAGCCACGTGACAAGTC
ATATCAGGATGCAGTTTTAGAAGATTTTTAAGAAGAATGACCATGATGGTGTGGCTTCATTTCTCCC
AAGGAATACAATGTATACCAACACGATGAACTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225264 representing NM_001135212
Red=Cloning site Green=Tags(s)

MPKTMHFLFRFIVFFYLWGLFTAQRQKKEESTEEVKIEVLHRPENCSKTSKKGDLLNAHYDGYLAKDGSK
 FYCSRTQNEGHPKWFVLGVGQVIKGLDIAMTDMCPGKRRKVVIPPSFAYGKEGYEGKIPPDATLIFEIEL
 YAVTKGPRSIETFQKIDMNDRQLSKAEINLYLQREFEKDEKPRDKSYQDAVLEDFKKNNDHGDGFISP
 KEYNVYQHDEL

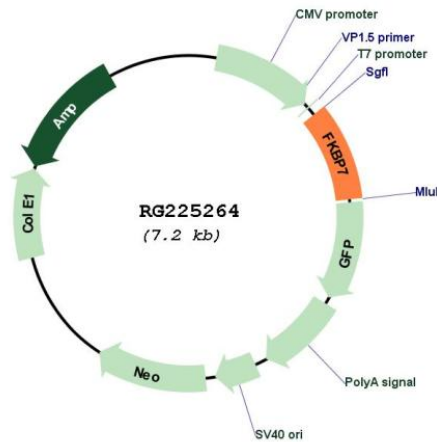
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001135212

ORF Size: 663 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_001135212.2
RefSeq Size:	2901 bp
RefSeq ORF:	666 bp
Locus ID:	51661
UniProt ID:	Q9Y680
Cytogenetics:	2q31.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene belongs to the FKBP-type peptidyl-prolyl cis/trans isomerase (PPIase) family. Members of this family exhibit PPIase activity and function as molecular chaperones. A similar protein in mouse is located in the endoplasmic reticulum and binds calcium. [provided by RefSeq, Jul 2008]