

Product datasheet for **MG205846**

Pex14 (BC028952) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pex14 (BC028952) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pex14
Synonyms:	Pex14p; R75137
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205846 representing BC028952 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCGTCGGAGCAGGCAGAGCAGCCGAACCAGCCAAGCTCTCCTCCAGGAAGTAAAAATGTGGTGC
CCCAGAGCCACTGATTGCCACAGCAGTGAAGTTCCTACAGAATTCTCGGGTCCGGCAGAGCCCACTTGC
GACCAGGAGAGCATTTCTTAAGAAGAAAGGACTGACAGACGAAGAGATTGACCTGGCTTCCAGCAGTCG
GGCACAGCTGCCAGCAGCCTTACCCCTGGGCCAGCTACCCAGTGGTTCCTGTCCAGCCCCCTCACC
TCACTCCGAGCCATACAGCCCCAGAGGCTCCCGATGGCGAGATTATGGTGCCTTGGCTATCATCATGGC
AGGAATTGCAATTTGGCTTTCACCAACTCTACAAGAGGTACCTGCTGCCCTCATCCTGGGAGGCCGAGAG
GACAGAAAGCAGCTGGAGAGGATGGCAGCGAGTCTCTCGAACTGAGTGGCACCCGTGGCCAGACAGTGA
CTCAGGTGCAGACAACACTGGCCTCTGTCCAAGAGCTACTGAGACAGCAGCAGCAGAAGTCCAGGAGCT
AGCTCACGAGCTGGCCACTGCCAAGGCCACCACATCAACCAACTGGATCCTGGAGTCCCAGAATATTAAT
GAGCTCAAGTCCGAAATCAACTCCTTGAAGGACTTCTTTTGAATCGGAGACAGTTCCTCCTCCCCGT
CGGCCCGAAGATCCCCCTCCTGGCAGATCCCAGTGAAGTCTTATCACCCCTCCAGCCCTGCGGCTGTCAA
CCACCACAGCAGCAGTACATCTCCCCTGTCAGCAACGAGTCTACGTATCCTCTCCTGGGAAGGACAGC
CACAGCCCGGAGGGCTCCACGGCCACATACCACCTGCTGGTCCCAGGAAGGGTGAAGGGGTGCTAG
ATGTCAAGGGCCAGGTGAGGATGGAGGTGCAGGGTGGAGGAGAGAAGAGGGAGGACAAGGAGGATGAGGA
CGATGAGGATGATGACGTGAGCCATGTGGATGAGGAGGACGTCCTTGGGGTGCAGAGGGAGGCCAGCG
GGCGGCGATGGCAGATCAATGAGCAGGTAGAGAAGCTGCGGGCGCCGGAAGGTGCCAGCAATGAGACTG
AGCGAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205846 representing BC028952
 Red=Cloning site Green=Tags(s)

MASSEQAEQPNQPSSPPGSENVVPREPLIATAVKFLQNSRVRQSPLATRRFLKKKGLTDEEIDLAFQQS
 GTAADEPSPLGPATPVVVPVQPPHLTPQYSPRGRWRDYALAIIMAGIAFGFHQLYKRYLLPLILGGRE
 DRKQLERMAASLSELSGTVAQTVTQVQTTLASVQELLRQQQKQVQELAHELATAKATTSTNWILESQININ
 ELKSEINSLKGLLLNRRQFPPSPSAPKIPSWQIPVKSSSPSSPAAVNHSSSDISPVSNSTSSSPGKDS
 HSPEGSTATYHLLGPQEEGEGVLDVKGQVRMEVQGEEEKREDEDEDDDDVSHVDEEDVLDVGVQREDRR
 GGDGQINEQVEKLRPEGASNETERD

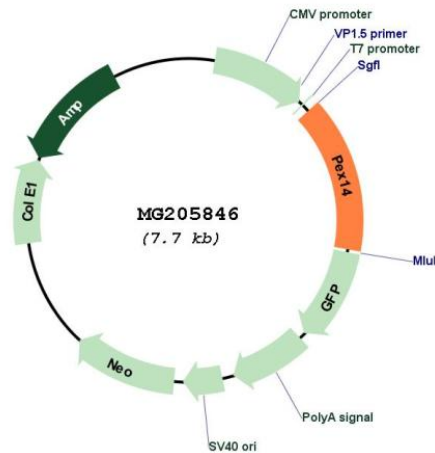
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC028952

ORF Size:	1130 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:	BC028952 , AAH28952
RefSeq Size:	1953 bp
RefSeq ORF:	1130 bp
Locus ID:	56273
Cytogenetics:	4 E2
Gene Summary:	Peroxisome membrane protein that is an essential component of the peroxisomal import machinery. Functions as a docking factor for the predominantly cytoplasmic PTS1 receptor (PEX5). Plays a key role for peroxisome movement through a direct interaction with tubulin. [UniProtKB/Swiss-Prot Function]