

Product datasheet for **MG217970**

Pex10 (NM_001042407) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pex10 (NM_001042407) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pex10
Synonyms: AV128229; Gm142
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217970 representing NM_001042407
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCGGGGGTGCCCTGAAGTGATCCGGGCAGCGCAGAAGGACGAGTACTACCTGGGAGGCCTGC
 GGAGCGCGGGGGTGAAGCGCTGCACAGCCTAGCGGGTGCAAAGAAATGGCTGGAATGGAGGAAAGAGAT
 CGAGTTGCTCTCGGACATAGCCTACTTTGGCCTCACCACAATTGCAGGCTACCAGACCCTTGGGGAGGAG
 TACGTTGGGATCATCCAAGTGACCCATCCAGCAGCGTGTGCCCTCCAGGCTCCGCCGTGCAGCGCTGG
 TTGCACTGCATGTGTCTTGCCCTACCTGCTAGACAAGGCACTGCTGCCCTGGAGCAGGAGCTGCAAGC
 CGATGGCGATGCTCCCGGGCTTACAGGGCAGTCTGCTACCTGGAGGACGCAGCCGATCAGGGGCACGG
 CGCTGGGTGCGTCACCACGCAGCCACCCTGACTGAACAACAGAGGAAGGCCCTCCAGCGGCAGTCTTCA
 TCCTGAGACAGGGCTTCGCTGCCTCCATCGGCTCCACGTGGCTTGGTTTTATATTCATGGTACCTTCTA
 CCACCTGGCCAAGAGACTAGCAGGGATCACGTATCTCCGCACTCGTCGCCTGCCTGGAGAGGACCAGAAG
 GCTCGCACTAGCTACGGACTGCTGGGGCTGATCTCCCTCTTGCATCTGGTGTGTCCATGGGGCTGCGGT
 TGTACAGCTTCAGGCAGAAGCAGCGAGCCAGGAAGGAGTGGCGGCTGCACCGCAATCTATCCACCCGAG
 GAGTTCCTTGAAGACAGAGCCGTGTGCAAGCCCACTCTGCACCCTATGCTTGGAGGAACGAAGACAC
 TCCACGGCCACACCTTGTGGCCATCTCTTCTGCTGGGAGTGCATACCGAGTGGTGAACACCAAGACAG
 AATGTCCCTGTGCCGGGAGAAGTTCCACCTCAGAAGCTGGTCTACCTGAGACACTACCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217970 representing NM_001042407
 Red=Cloning site Green=Tags(s)

MARAGAPEVIRAAQKDEYYLGGLRSAAGEALHSLAGAKKLEWRKEIELLSDIAYFGLTTIAGYQTLGEE
 YVGIIQVDPSSQQRVPSRLRRAALVALHAVLPYLLDKALLPLEQELQADGDAPRASQGSLLPGRSRSGAR
 RWVRHHAATLTEQQRKALQRAVILRQGFACLHRLHVAVFYIHGTFYHLAKRLAGITYLRTTRRLPGEDQK
 ARTSYGLLGLISLLHLVLSMGLRLYSFRQKQARARKEWRLHRNLSHRRSLEDRAVCRTPLCTLCLEERRH
 STATPCGHLFCWECITWCNTKTECPKREKFPKQKLVYLRYR

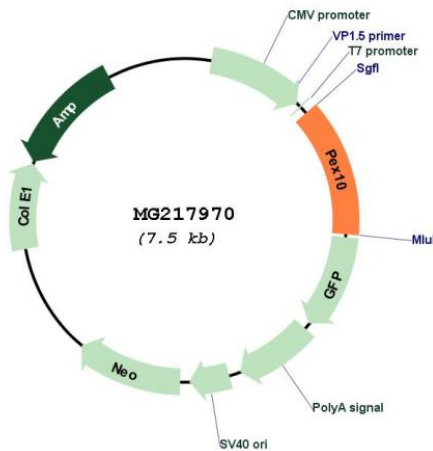
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001042407

ORF Size: 972 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_001042407.1 , NP_001035866.1
RefSeq Size:	1647 bp
RefSeq ORF:	975 bp
Locus ID:	668173
UniProt ID:	B1AUE5
Cytogenetics:	4 E2
Gene Summary:	Somewhat implicated in the biogenesis of peroxisomes.[UniProtKB/Swiss-Prot Function]