

Product datasheet for **RG200588**

PEX10 (NM_153818) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PEX10 (NM_153818) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PEX10
Synonyms: NALD; PBD6A; PBD6B; RNF69
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200588 representing NM_153818
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCGGCCGCCAGCCCCCGGAGGTGATCCGCGCGGCGCAGAAGGACGAGTACTACCGGGTGGCTGCGGAGCGCGGGCGGCCCTGCACAGCCTGGCGGGTGCAGGAAGTGGCTGGAGTGGAGGAA
GGAGGTTGAGCTGCTCTCAGATGTGGCCTACTTTGGCCTCACCACACTTGCAGGCTACCAGACCCTGGGG
GAGGAGTACGTCAGCATCATCCAGGTGGACCCATCGCGGATACATGTGCCCTCCTCGCTGCGCCGTGGCG
TGCTGGTACGCTGCATGCCGCTGCCCTACCTGCTGGACAAGGCCCTGCTCCCCCTGGAGCAGGAGCT
GCAGGCTGACCCGACAGTGGGGACCCCTGCAGGGGAGCCTGGGGCCAGGTGGGCGTGGCTGCTCAGGG
GCGCGGGCTGGATGCGTCACCACACGGCCACCCTGACTGAGCAGCAGAGGAGGGCGCTGCTGCGGGCGG
TCTTCTCCTCAGACAGGGCCTCGCCTGCCCTCCAGCGGCTACATGTTGCCTGGTTTTACATCCACGGTGT
CTTCTACCACCTGGCCAAGAGGCTCACGGGGATCACGTACCAGGCGCTGAGGCCAGATCCCTCAGGGTC
CTGATGAGTGTGGGCCATCTGCCTTACAGCTCCGTGTCCGAGCCTGCCGGAGAGGACCTGAGGGCCC
GTGTTAGCTACAGGCTGCTGGGGTCACTCACTGCTGCACCTGGTGTGCTCCATGGGGTGCAGCTGTA
CGGTTTCAGGCAGCGGACGCGAGCCAGGAAGGAGTGGAGGCTGCACCGCGCCTGTCTCACCAGGGCC
TCCTTGGAGGAGAGCCGTTTCCAGAAACCCCTGTGCACCTGTGCCCTGGAGGAGCGAGGCCACCCAA
CAGCCACGCCCTGCGGCCACCTGTTCTGCTGGGAGTGATCACCAGCTGGTGCAGCAGCAAGGCGGAGTG
TCCCTCTGCGGGAGAAGTTCCCTCCCCAGAAGCTCATCTACCTTCGGCACTACCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200588 representing NM_153818
 Red=Cloning site Green=Tags(s)

MAPAAASPPEVIRAAQKDEYYRGLRSAAGGALHSLAGARKWLEWRKEVELLSDVAYFGLTTLAGYQTLG
 EEYYSIIQVDPSRIHVPSSLRRGVLVTLHAVLPYLLDKALLPLEQELQADPDSGRPLQGS LGPGGRGCSG
 ARRWMRHHTATLTEQRRALLRAVFLRQGLACLQRLHVAWFYIHGVFYHLAKRLTGITYQALRPDPLRV
 LMSVAPSALQLRVRSPLGEDLRARVSYRLLGVI SLLHLVLSMGLQLYGFQRQRARKEWRLHRGLSHRRA
 SLEERAVSRNPLCTLCLEERRHPTATPCGHLFCWECITAWCSSKAECPLCREKFPQKLIYLRHYR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153818

ORF Size: 1038 bp

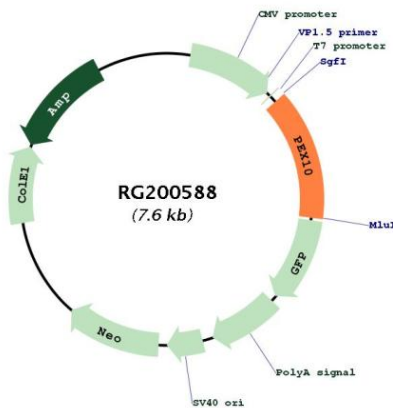
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_153818.1 , NP_722540.1
RefSeq Size:	2094 bp
RefSeq ORF:	1041 bp
Locus ID:	5192
UniProt ID:	O60683
Cytogenetics:	1p36.32
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a protein involved in import of peroxisomal matrix proteins. This protein localizes to the peroxisomal membrane. Mutations in this gene result in phenotypes within the Zellweger spectrum of peroxisomal biogenesis disorders, ranging from neonatal adrenoleukodystrophy to Zellweger syndrome. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200588