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Product datasheet for MG220184

Oit3 (NM_010959) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Oit3
Synonyms:	EF-9; LZP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>MG220184 representing NM_010959
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTCTGTCCCTGCTGCTCACCTGCCTCTCCACCACAGTCACCTTGGTGTCACCTGCGGTCCTAGATC
CTTGTTCCGCTTACATCAGTCTGAACGAGCCCTGGAGGAACACTGACCACCAGTTCGACGAGTCCCAGAA
TCAACCTCTTTGCGACAACCATATGAACGGGGAGTGGTATCGCTTCACGGGGATGGCAGGAGATGCCATG
CCTACCTTCTGCATACCGGAAAATCACTGTGGGACCCATGCTCCTGTCTGGCTCAATGGCAGCCACCCCC
TAGAAGAGGATGGCATTGTGCAACGCCAGGCCTGTGCCAGCTTCAAAGGAAACTGCTGTCTGTGGAACGC
CACGGTGGAAGTCAAGGCCTGCCCCAGAGGCTACTACGTGTATCGGCTGGCCAGACCCAGCGTCTGCTTC
CATGTCTACTGTGGCCATTTCTATGACATCTGTGATGAGGATTGTCACGGCAACTGCCTGGATACCACCG
AGTGTGCATGCTCTCCAGGAACCTCGCTGGGCCCAGATGGGCAGACTTGCTTTGACGAAAATGAATGTGA
GCACAACAACGGTGGCTGCAGCGAGATCTGCGTGAACCTCAAAAACTCACACCGCTGCGCATGCGGGGTT
GGCCGCGTGCTCAGGAGCGACGGGAAGACTTGCGAAGACATCGAAGGTTGTCACAACAACAATGGTGGCT
GCAGCCATTCCTGCCTTGGGTCTGAGGAGGGCTATCAGTGTGAATGTCCCCGGGGCTTGGTGCTGTCTGA
AGATAATCACACTTGCCAAGTCCCCGTGTTGTGCAAGTCCAGCGCCATTGAAGTGAGTGTCCCCCGGGAG
CTGGTTGGAGGCCTGGAGCTCTTCCTGACCAACACCTCCTGCCGAGGAGTGTCCAATGGCACCCACGTCA
ACATCGTCTTCTCACTCAAGACCTGCGGCACCGTGGTTGACGTGGTGAATGACAAAATCGTGGCCAGCAA
CATCGTGACGGGCCTGCCCAAGGAGACCCCTGGGAGCAGTGGGGACATCATCATTCGGACCAGCAAACTG
TTGATCCCCGTGACCTGCGAGTTCCCACGACTGTACACCATCTCGGAAGGATACGTGCCCAACCTGCGCA
ATGCCCCATTGGAAATCAGGAGCCGAAACCACGGCATCTTTCCCTTCACACTGGAGATTTTCAAGGACCA
CGAATTCGAGGAACCGTACCGGGAGACTCTGCCCACACTCAAGCTTCGCGACTCACTCTACTTTGGCATA
GAGCCCCTGGTGCATGTGAACGGCCTGGAGAGCCTGGTAGAGAGCTGCTTTGCCACGCCCACTGCAAAGA
TGGATGAAATCCTCAAGTACTACCTGATCCAGGACGGCTGTGTTTCCGATGACTCAGTAAAGCAGTACTC
ATCCAGGGACCACCTAGCAAAGCACTTCCAAGCCCCCGTCTTCAAGTTTGTGGGCAAAGACCACAAGGAG
GTATTTTTACACTGCCGCGTCCTTGTATGTGGGGTGCTGGATGAGCGTTCCCGCTGTGCCCAAGGGTGCC
ACCGAAGAGTACGTCGTGAGGTGGGTGAGGACGAGGACTCTGCTGGGCTGCAGAGCCAGACACTGACAGG
TGGCCCCATCGCCATCGACTGGGAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220184 representing NM_010959
Red=Cloning site Green=Tags(s)

MPLSLLLTCLSTTVTLVSPAVLDPCSAYISLNEPWRNTDHQFDESQNQPLCDNHMNGEWYRFTGMAGDAM
PTFCIPENHCGTHAPVWLNGSHPLEEDGIVQRQACASFKGNCCLWNATVEVKACPRGYYVYRLARPSVCF
HVYCGHFYDICDEDCHGNCLDTTECACSPGTSLGPDGQTCFDENECEHNNGGCSEICVNLKNSHRCACGV
GRVLRSDGKTCEDIEGCHNNNGGCSHSCLGSEEGYQCECPRGLVLSEDNHTCQVPVLCKSSAIEVSVPRE
LVGGLELFLTNTSCRGVSNGTHVNIVFSLKTCGTVVDVVNDKIVASNIVTGLPKETPGSSGDIIIRTSKL
LIPVTCEFPRLYTISEGYVPNLRNAPLEIRSRNHGIFPFTLEIFKDHEFEEPYRETLPTLKLRDSLYFGI
EPLVHVNGLESLVESCFATPTAKMDEILKYYLIQDGCVSDDSVKQYSSRDHLAKHFQAPVFKFVGKDHKE
VFLHCRVLVCGVLDERSRCAQGCHRRVRREVGEDEDSAGLQSQTLTGGPIAIDWED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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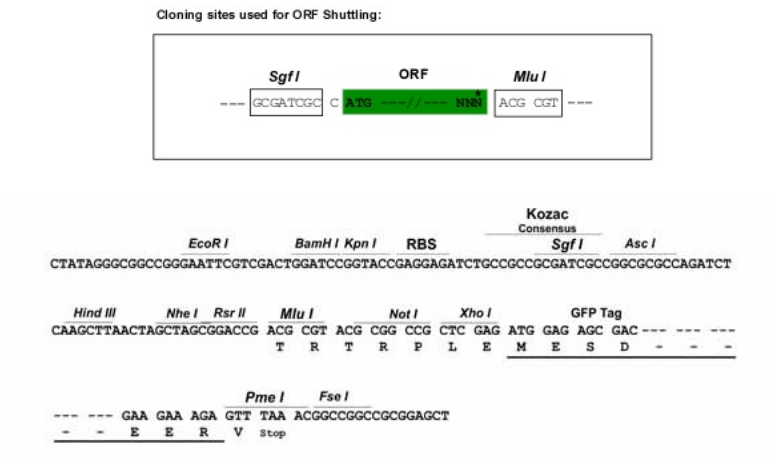
Cloning Scheme:



ACCN: NM_010959

ORF Size: 1638 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_010959.2, NP_035089.1

RefSeq Size: 2716 bp

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RefSeq ORF: 1641 bp

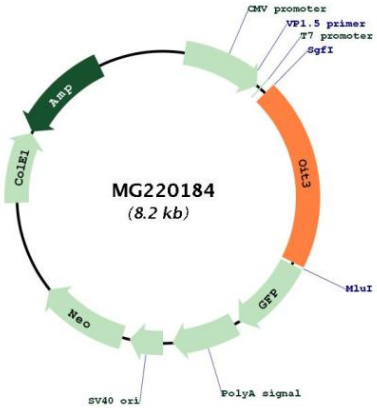
Locus ID: 18302

UniProt ID: Q8R4V5

Cytogenetics: 10 B4

Gene Summary: May be involved in hepatocellular function and development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG220184

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