

Product datasheet for MR221536

Ogdhl (NM_001081130) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ogdhl (NM_001081130) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ogdhl
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR221536 representing NM_001081130
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAGCCAGCTGAGGCTGCTGCCATTCGGCTGGGGCCACGGGCCACCAAGCTCCTGGCCACACGGGCTA
 TCCCGGTGTTCAAGTGGGTGCAGGAGGTCTTCTGGACCACCAACGACCATCCCGAGGAGCAGAAGCGGAGT
 CAGCTCCAGTTATGTGGAAGAGATGTACTTTGCCTGGTTGGAAAACCCACAGAGCGTTTACAAGTCTGG
 GACAGCTTTTTTCAGAGAGCAAGTAAGGAGGCCCTCTGTGGTCTGTCTCAGCCGACGCTCCAGCTGTT
 TCCAAGAAAGCAGGACATCAGTGTCAAGCTGCACCAAGACCAGCAAGCTGGTGGAAAGACCCTTGGCAGT
 CCAGTCCCTGATCCGGCCCTACCAGATCCGAGGCCACCATGTGGCCAGCTGGACCCCTGGGCATCCTG
 GATGCAGACCTAGATTCTTTGTGCCCTCTGACTTGATCACAACCATTGATAAAATGGGTAAAGATTGGG
 ATCCTTCCCTTCTTTCTATGCTGCCTTGGCTCTTTTCCAGCCTTCTATGACCTGCAGGAGGCTGA
 TCTGGATAAAGGAGTTCGGCTGCCACCACGACTTTCATCGGGGGCCAGAGAACACACTCTCTTTCGA
 GAGATCATACGTCGCTTGGAGAGCCTACTGCCAGCATATTGGCTGGAGTTTATGTTTAAATGACG
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 GAGGACCCTGCTGGCTAGACTGGTGCCTCCATGAGGTTTGAAGACTTCTGGCCAGGAAGTGGTCTTCG
 GAGAAGCGGTTTTGGCCTGGAAGGCTGCGAGGTCATGATTCTGCTCTCAAGACCATTATCGACAAGTCTA
 GTGAGATGGGGATTGAGAACGTCATCCTGGGGATGCCACACAGGGGCAGGCTGAATGTGCTGGCTAACGT
 GATCCGCAAGGACCTGGAACAGATCTTCTGTCAAGTTTGTATCCCAAGCTGGAAGCAGCAGATGAGGGCTCT
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 TGTCACTGGTAGCCAACCTTCCCATCTAGAAGCTGTGGACCCCGTGGTACAGGGCAAGACGAAGGCAGA
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 TGCACGTTGTGGTCAACAACCAGATCGGCTTACCACAGATCCCCGAATGGCTCGCTCTCCCTTACCC
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 TATGTGTGACAGTGTGGCAGCTGAGTGGAGGAACACCTTCAACAAAGATGTTGTTGAGACCTGGTCTGTT
 ACCGCCGGCGTGGTACAATGAGATGGACGAGCCATGTTACGCAGCCACTCATGTACAAGCAGATCCA



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CAAGCAGGTACCCGTGCTGAAGAAGTATGCAGACAAGCTCATCGCCGAGGGCACCCTCACTCTGCAGGAG
 TTTGAGGAGGAAATTGCCAAATATGACCGTATCTGTGAGGAGGCCTACGGCAGGTCCAAGGATAAGAAGA
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 CATGACATGCCCTACGACAGGCATCCCTGAGGAGATGCTGACCCACATTGGCAGTGTGGCCAGCTCTGTG
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 GTTGACCGGAGGACGTGTCCCGATGAATCATCTGTGGCCTGACCAGGCCCGTACACTGTGTGCAATA
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 GGAAAGGTGTAATGACCTGGTAAAGGAACGCAGCAGCCAGGGCCTGGAGCAACAAGTGGCCATCACAC
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 CTCTCGGCCACTCCCGGCCATATGGTATGTCGGCCGGGACCCAGCAGCCGACCAGCCACTGGGAATA
 AGAACGCTCACTTGGTGTCACTGAGGAGTTTCTGGATACTGCCTTCAATCTGAAGGCCTTCGAGGGCAA
 GACATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGTTTAA

Protein Sequence:

>MR221536 representing NM_001081130
 Red=Cloning site Green=Tags(s)

MSQLRLLPFRLGPRATKLLATRAIPVFSGCRSSGPPTTIPRSRSGVSSSYVEEMYFAWLENPQSVHKSW
 DSFFQRASKEASVGAQPQLPAVLQESRTSVSSCTKTSKLVEDHLAVQSLIRAYQIRGHVHAQLDPLGIL
 DADLDSFVPSDLITTTIDKLGKSWDPSLLSFYAALASFPAYDLQEAADLDFEFLPTTTFIGGPENTLSLR
 EIIRRLESTYQCHIGLEFMFINDVEQCQWIRQKFETPGVMQFSVEEKRTLLARLVSRMRFEDFLARKWSS
 EKRFGLGCEVMIPALKTIIDKSSEMGIENVILGMPHRGRLNVLANVIRKDLQIFCQFDPKLEAADEGS
 GDVKYHLGMYHERINRVTNRNITLSLVANPSHLEAVDPVVQGTKAEQFYRGAQGRKVMVSLVHGDAAF
 AGQGVVYETFHLSLPSYTTNGTVHVVVNNQIGFTTDPMARSSPYPTDVARVFNAPIFHVNADDPEAVI
 YVCSVAAEWRNTFNKDVVVDLVCYRRRHGNEMDEPMFTQPLMYKQIHKQVPVLKKYADKLAEGTVTLQE
 FEEEEIAKYDRICEEAYGRSKDKILHIKHWLDSWPWGFNVGDGEPKSMTCPTTGIPEEMLTHIGSVASSV
 PLEDFKIHTGLSRILRGRADMTKRTVDWALAEYMAFGSLLKEGIHVRLSGQDVERGTFSHRHHVLHDQE
 VDRRTCVPNMHLWPDQAPYTVCSNSSLSEYGVLFELGYAMASPNALVLWEAQFGDFHNTAQCIIDQFIST
 GQAKWVRHNGIIVLLLPHGMEGMPEHSSARPERFLQMSNDDSDAYPVFTEDFEVSYQLYDCNWIIVNCSTP
 ASYFHVLRQIILLPFRKPLIVFTPKSLLRHPDAKSSFDQMVSGTSFQRLIPEDGPAAHSPQVQVRLIFCT
 GKVYYDLVKERSSQGLEQQVAITRLEQISPFPPDLIMREAKEYSGAELVWCQEEHKMNGYYDISPRFMT
 LLGHSRPIWYVGRDPAAPATGNKNAHLVSLRRFLDTAFNLKAFEGKTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9040_d09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001081130

ORF Size: 3087 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.

RefSeq: [NM_001081130.1](#), [NP_001074599.1](#)

RefSeq Size: 3449 bp

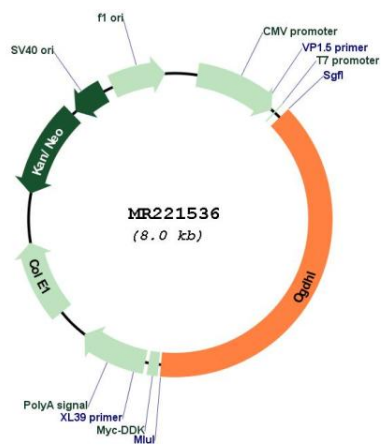
RefSeq ORF: 3033 bp

Locus ID: 239017

Cytogenetics: 14 B

MW: 117 kDa

Product images:



Circular map for MR221536