

Product datasheet for **MC219140**

Gm5431 (NM_001024230) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Gm5431
Synonyms:	EG432555; Irgb9b8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219140 representing NM_001024230
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGAAACAAAAGATCTGGAAGGAATCCATAATGCCAAGAGCATGGGCTACCATACCATCCCGGGGAC
 TGACCCAAAAGGACATGGAGATGTTGCAACAGACTTTGAATGACTATAGATCTTCCTTTGGCCTGGATGA
 GGCATCACTGGAACATCGCTGAGGATTTGAACGTGACACTGGAGGAGCTCAAGGCAACATTAAGTCT
 CCACATTTGCTCTCAGATGAGCCAGATACATCCTTAACAGAGAACTATTGAAGTACATTGGAATCCTT
 ACTTTTCAAAGGTTTTCCACTTGCAAAATATTTTCATTGACACGGTTGCAAGCGATGTTAAATTTATCCT
 CAGTAAAGAAGAGCTTTTACAGAGCAGCATCCTCCACTGCACACAGCTACATGCCAGCCTTCTCTAGC
 AGACCTCTCCTTTAATGGCTCAACTTTTGGTGATCAGCTTTGAAAATTTTTTAAGAATTTCAAGAAGG
 AAAGCAAAATCCTCTCTGAGGAAACCATCACCTTGATTGAATCCCATCTGGAGGATAAGAACCTTCAGGG
 GGCATTGTCTGAAATTAGTCATGCTCTGAGCAACATTGACAAAGCCCCACTGAACATTGCTGTGACTGGA
 GAAACAGGGACAGGAAATCCAGCTTCATCAATGCCTTGAGGGGAGTAAGGGGTGAAGAAGAAGGTGCAG
 CGCCCACTGGGGTGGTAGAGACAACCATGAAGAGAACTCCATACCCACACCCAAAGCTTCCCAATGTGAC
 AATATGGGACCTACCTGGCATTGGGTCAACCAACTTCAACCACAAAATATCTGACAGAAATGAAGTTC
 GGTGAGTATGACTTCTTCATTATCATCTCGGCTACACGCTTCAAAGAAATGATGCACATCTGGCCAAAG
 CCATTGCAAGATGAACACAAAGTTCTACTTTGTCCGAACCAAGATAGATCAAGATGTCAGTAATGAACA
 GAGGAGTAAACCTAAGTCTTCAATAGAGACAGTGTCTTAAAGAAAATAAGAGATGACTGCTCAGGTCAT
 CTCCAGAAGGTTCTCTCCAGTCAGCCTCCAGTGTCTAGTCTCTAACTTTGATGTGTCTGACTTTGACT
 TCCCAAAGCTGGAGAACCCCTACTGAGGGAACCCCAGCCACAAGCGCCACCTTTCATGATGTCCTT
 GCACAGTGTTACTGAGACTGCCATTGACCGGAAGAGGGATTTCTCAGACAGAGGATCTGGCTGGAGGCC
 CTGAAGGCTGGAGTATGGACCACCATTCCTTGGGGCTTAGTCAGAGATAAAATGCAGAAGTTGGAAG
 AGACCTTGACTCTCTACAGGTCTTACTTTGGGCTGGATGAAGCCTCACTAGAAAATATTGCCAAGGATTT
 CAATGTGTCTGTGAATGAAATTAAGGCACACCTTAGGTCTCTCCAGTTGTTAACAAAGAACAATGACATG
 TCCTTCAAAGAAAACTGTTGAAATATATTGAATATATTTCTGTGTTACTGGGGGACCACTTGCCCTCAG
 GCCTTTACTTTAGAAAGACTTACTACTGGCAAAGTCTCTTCATTGATACTGTGGCAAGTGATGCCAAGTC
 TCTCCTTAATAAGGAAGAGTTTTTGTGAGAGAAACCAGGATCGTGCCTCTCTGACCTCCCTGAATACTGG
 GAAACAGGAATGGAGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001024230

Insert Size: 1701 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_001024230.2, NP_001019401.2</u>
RefSeq Size:	2971 bp
RefSeq ORF:	1701 bp
Locus ID:	432555
Cytogenetics:	11 B1.2