

Product datasheet for **MC220054**

Gm21948 (NM_001171024) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm21948 (NM_001171024) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gm21948
Synonyms:	Nup62-il4i1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220054 representing NM_001171024
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGGCGCCAGGAGACCCACAAAGACCACCATGCACCCTGCGTCTTGTCTGGCGCCACCCTCCTTG
GTCTGGCAGGCTCTGGACTGGAAGGCAGCCTCCAGCTTGAACCCTATTGAGAAGTGTATGGAGGACCA
CGATTATGAGCAGCTACTCAAGGTGGTACCTTGGGCCTCAATCGGACTTCAAGCCCCAGAAGGTGGTA
GTGGTTGGTGCAGGCGTGGCAGGGCTGGTAGCAGCCAAGATGCTCAGTGATGCAGGACACAAGGTACCA
TCCTGGAGGCAGATAACAGGATTGGGGCCGTATCTTCACTTTCCGGGATGAGAAGACAGGCTGGATAGG
GGAGCTTGGGGCCATGCGAATGCCAGCTCTCACAGGATCTGCACAAGCTCTGCAGGACCCTGGGCCTC
AACCTGACTCAGTTCACACAGTATGATGAGAACACGTGGACGGAGGTGCATAATGTGAAGCTGCGAACT
ATGTGGTGGAGAAGATGCCAGAAAAGCTGGGCTACAACCTGAACAACAGGAAAGGGCCATTCCCAGA
GGACATCTACCAGATGGCACTCAACAAGGCCTTCAAAGACCTCAAGGCCTTGGGCTGCAAGAAAGCCATG
AATAAGTTCAACAAGCATACGCTTCTGGAATACCTCCTCGAGGAGGGCAACCTGTCCCGCCGGCTGTGC
AGCTCCTGGGAGATGTGATGTCCGAGGAGGGCTTCTTCTACCTCAGCTTTCAGAAAGCCTTACGTGCGCA
CGCCTGCCTGAGCGATAGACTCCGGTACAGCCGCATCGTAGGTGGCTGGGACCTGCTTCCGCGAGCTCTG
CTGAGCTCACTGTCCGGGGCGTGTACTGAACCGCCTGTGGTGTGCATCACTCAGGGGAGGAACGATG
TGCGCGTGCACATTGCCACCTCGCTTACAGCGAGAAGACGCTGACAGCCGACGTGGTGTCTGACTGC
CAGTGGACCCGCGCTGCAGCGCATTACCTTCTCGCCGCCCTTACTCGCAAGAGGCAGGAGGCACTGCGC
GCGCTTCACTACGTAGCAGCCAGCAAGTTTTTCTGAGTTTCCGTGCGCCCTTCTGGCACGAGGAGCACA
TCGAGGGCGGCCACTCCAACACTGACCGCCCATCGCGCCTCATATTCTATCCCGCGAGGGCGAGGGCTC
ACTGCTTCTGGCCTCCTACACGTGGTTCGGACGCTGCAGCCCCCTTCTGCTGGACTGAGCACCGACCAGACC
CTGCGTTTGGTGTCCAGGACGTGGCGCCCTGCACGGCCTGTGGTGTCCGGCTGTGGGACGGCAGGG
GTGTGGTCAAGCGCTGGGCAGAGGACCCGCATAGCCAGGGAGGCTTCTGGTGCAGCCGCCATTGTACGG
GCGCGAGGCTGAGGACTATGACTGGTACAGCCCCCTTCCGGCCGATTTACTTCCGGGGCGAGCACACAGCT
CTCCCGCATGGCTGGGTAGAGACCGCTGTCAAGTCCGGGTTGCGGGCCGCGGTGAGAATCAATAAAGT
ATGGGTACGGGAGGTCGACCCAGATGATGGAGCATGCATATGCAGAGGCCAACTATCTGGACCAGTA
TCCTGAAGGGGAGAGGCCCGAGGAGCAGCAGGCGGGGAAGAAGTCAGCCAGATGAACAGGAGCCCTCT
CACAAACTTGTGGTGGAAACGAGCCCCGAGGGGCAGCAACACGCGTTTGTGGAGGCCATTCCCGAGC
TGCAGGGACACGTGTTCTGGAGACTGTCCCCAGGAGAAGGGGCACGCCACCAGAATATATATCTTCT
GGAGCATGTACAGGTGCATGGGGAAGTCATCCCTGAGTGGCATGGTTCATGGGGATCTGGCACCCCGCAA
ATGCACCGAGTGGGGACCACTCTAA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001171024
Insert Size: 1917 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_001171024.1 , NP_001164495.1
RefSeq Size:	2320 bp
RefSeq ORF:	1917 bp
Locus ID:	100328588
UniProt ID:	O09046
Cytogenetics:	7
Gene Summary:	This locus represents naturally-occurring readthrough transcription between Nup62 (nucleoporin 62) and Il4i1 (interleukin 4 induced 1). It encodes a protein sharing similarity with the protein encoded by Il4i1, but with a longer and distinct N-terminus. [provided by RefSeq, Aug 2015]