

Product datasheet for **MC221064**

Gm14124 (NM_001142410) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Gm14124
Synonyms:	EG640962; ENSMUSG000000074735; Gm10749; OTTMUSG000000015734
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC221064 representing NM_001142410
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGTAGAGTGACCTATGATGATGTGCATGTGAACCTCACTCGGGAAGAGTGGGCTTTGCTGGATCCTT
 CTCAGAAGAATCTCTACAGAGATGTGATGCTGGAGACCTACAGGAATCTCGCTGCTATAGGCTACGTTTG
 GGAAGACCATAATACGGAAGAATCTTCATATTTCTAGAAGATATGAAAGGCATGAAAGAAGTCATACT
 GCACAGCAGCTCTCTGAGTTTATCCAATGTGATAAAGCCTTTGCATTTCAGAGTCATAACCAAAGAAAAG
 AAAAAATTCATAATGCAGAGACACCTATGAATGTAACCAATGTGGTAAATCCTTTGCAAGAAAGAGTCA
 TCTCCTAAGACATAAAAGAATACATACTGGTGAGAAACCTATGCGTGTAAACAGTGTGGGAAAGACTTT
 GCAAGTCCCAGTTATCTTCAGTACCATAAGAGAGTTTCGTACAGGAGAGAAACCTTATAAATGTAATCAAT
 GTGGTAAAGCCTTTGCATGTTCAACTGGTCTCCGAGGACATAAAAGAACACATACAGAAGAGAAACTCAA
 TGAATGCAATCAATGTGATAAAGCCTTTGCAGGTCAAAGTGGTCTCCTGTATCATAAAAGAACACATACT
 GGAGAGAAACCTTTCAATGTAAACCAATGTGGTAAACCTTTTGCTCGAAATACTCATCTCCTACAACATA
 AAAGAGTACACACTGGAGAGAAACCTATGAATGCAATCAATGTGAGAAAGCCTCTGTATGTCATATTGG
 TCTCCTGTATCATAAAAGAACACATGCTGGACAGAGACCATATGAATGTAATGAATGTGGTAAATCCATT
 GTATATCACAGTTGTATTAACAATGTAAAGAAGACATACTGGAGAAAAACCTTTGAATGTAACCAAT
 GTGGTAAATCCTTTGCAAGAAAGAGTCATCTCCTAAGACATAAAAGAATACATACTGGTGAGAAACCTTA
 TAAGTGTGACCAATGTGGTAAAGACTTTGCAAGACCCAGTTCTCTTCAGTACCATAAAAGAGTTCATACA
 GGAGAGAAACCTTATGAATGTAACAATGTGGTAAAGCCTTTGCATGTTCAACTGTTCTCCGAAGACATA
 AAAGAGCACATACTGGAGAGAAACCTTTGAATGTTACCAATGTGGTAAATCCTTTGCAAGTAAGAGTCA
 TCTCCTAAGACATAAAAGAATACATACTGGTGAGAAACCTTATAAGTGTGACCAATGTGGTAAAGACTTT
 GTATATCACAGTTGTATTAACAATGTAAAGAAGACATGCTGGAGAGAAACCTTTGAATGTAACCAAT
 GTGGTAAATCCTTTGCAAGTAAGAGTTATCTCCTAAGACATAAAAGAATACATACTGGTGAGAAACATTA
 TAAGTGTGACCAATGTGGTAAAGACTTTGCAAGTACTTATTCTCTTCAAACCATAAAGAGTTCATACA
 GGAGAGAAACCTTATGAATGTAACAATGTGGTAAAGCCTTTGCATGTTCACTAAACTCCGAAGTCATA
 AAAGAACACATACTGGAGAGAAACCTTTGAATGTAACCAATGTGGTAAATCCTTTGCAATTAAGAGTCA
 TCTCCTAAGACATAAAAGAATACATACTGGTGAGAAACCTTATAAGTGTGACCAATGTGGTAAAGACTTT
 GCAAGACCCAGTTCTCTTCAGTACCATAAAAGAGTTCATACAGGAGAGAAACCTTATGAATGTAACAAT
 GTGGTAAAGCCTTTGCATGTTCTCGTCGTCTCAGAATACATAAAAGAACACATACAGGAGAGAAACCTTA
 TGAATGCAATCAATGTGGTAAAGCCTTTTCGTCTCAAGTGGATTCTGTATCATAAACGAACACATACT
 GGAGAGAGACCATATGAATGCAATGAATGTGGTAAATCCTTCATACATCGCAGTAATTTTCAATGCATA
 AAAGAACACATACTGGAGAGAAACCTTTGAATGTGACCAATGTGGTAAAGCCTTTGCACAAACACTTA
 TCTTTTACAACATAAAAGAGTACACACTGGAGAGAAACCTTATGAATGTAAGCATTGTGGCAAGGCCTTT
 GCATATTCTAATAAACTCCGAGTGCATGTTAGAACACATACTAAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001142410

Insert Size:

2148 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_001142410.1, NP_001135882.1</u>
RefSeq Size:	3018 bp
RefSeq ORF:	2148 bp
Locus ID:	100216455
Cytogenetics:	2 G3