

Product datasheet for MC224426

Zfp609 (NM_172536) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp609 (NM_172536) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp609
Synonyms:	9830165N24; BC016271; mKIAA0295; Znf609
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224426 representing NM_172536 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTTGAGCAGTGGAGCCTGCGGAGGAAAGGAGTGGATGCAAACCCGGTTGAGACATACGACAGTG
GGGATGAATGGGACATTGGAGTAGGGAACCTCATCATCGACCTGGACGCCGATCTGGAAAAGGACCAGCA
GAAACTGGAAATGTCAGGCTCCAAGGAGGTGGGGATACCAGCCCCAATGCTGTGGCCACACTACCAGAC
AACATCAAGTTTGTCAACCCAGTGCCAGGTCTCAAGGGAAGGAAGGCAAATCAAATCCAAAAGGAGTA
AGAGTGGCAAAGACGCTAGCAAGCCCACTCCAGGGACTTCCTTGTCTCTCCAAGTGGGGAGCAGCCAG
CAAGAAAGAGGTGCAGGGTCGCGCAGGAGATGGTGCCAGTGCGGGAGGCCGTGGTTGCTGCTGTGCTCCC
AAGGGCTCAGAGAAGGCTGCTAAGGCGTCACGCACTGTAGCTGGCTCAGAAAAGGAAAAGGAGAACAGCT
CATCTAAGGGCAAGAAGGAGAGAAGTGAAGGCGTGGGGACTTGTTTCGAAAAGGATCCTGGGGTCTCTCA
GCCAGTTCCCTTGGGAGGACGGGGTAGTCAGTATGATGGAAGTGCAGGGATGGACACAGGAACCGTGGAG
CCGCTTGGGAGTATAGCTATTGAACCTGGGGCAGCGCTCAATCCTTTGGGAACTAAGCCGGAGCCAGAGG
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AGCGGTGCTGCCACTGCACCTGTTAGTGCCAGTGGTCAATAATGACATCTCATCTCCCTGTGAGCAGATC
ATGGTCCGTACCCGATCAGTTGGTGTCAACACATGCGACGTGGCTCTAGCCACAGAGCCTGAGTGCTTAG
GCCCTGTGAGCCTGGAACCAAGCGTCAACCTTGAAGGCATCGTGTGGCAGGAAACAGAAGATGGGATGTT
GGTGGTAAATGTGACATGGAGAAACAAGACATATGTAGGTACACTTCTTGACTGCACAAGGCATGATTGG
GCACCCCCAAGGTTCTGTGACTCCCCACCACTGACTTGGAAATGCGGAACGGCCGAGGAAGAGGCAAGC
GCATGCGTCCCAGCAGTAACACACCTGTGAGTGAGGCAGCCGAGCCTCTGACAGCAAAGGGACCAGCAG
CAGCAGCAAGACCCGAGCAGGAGCAATAGCAAAGGCCGTGCGGGTAGCCAGAACTCCTCAGAGCACCGC
CCTCTGTAGCAGCACCTGTAGGATGTCAAAGCCAGCCCTTCTCAGCCAATAAGCGGAAAAGCAAAC
CTCTTTCAGACATGGAGCTGAATTCTAGCTCAGAGGACTCCAAAGGGAGCAAGCGTGTCCGTACAAATTC
CATGGGCTCAGCCACCGGCCCTCCCTGGGACCAAGGTAGAACCCTCTTGTGGACAGAAATTGTCCC



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TCCCCGGTCCTGATTGACTGTCCCCACCCAACTGCAACAAAAAGTACAAGCACATCAATGGGCTTAAGT
 ACCACCAAGCTCACGCCCACCGGATGACGACAGCAAAACCGGAAGCTGATGGAGACAGTGAATGGAGA
 AGAGCCCGCCCTCCATGCAGACCTCAGCTGCAACGGTGCACCTGTCCACAGAAAGGATCCTTGTCCCT
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 CAAAAGGCCTCTGTAAGAAAAAACTGAGTGGGGAGGGAGACAGACCCTGGAGCCTTATCCAATGATGG
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 AAGCCATTTCAGCCCAAGCCACTGTTATGGGAGAGCCTTTCACAGTCAACCCTGCCCTGACCCCTGCCA
 AGGACAAGAAAAAGAAAGACAAAAAAGAAGGACTCATCAAAGGAAGTTGAAAGTCTCTGACCCCTGG
 GAAGGTATGCCGAGCAGAAGAAGTAAGAGCCCGTTAGAGACGCAGCAGGAGATGGAATCAAAGTGGAG
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 TTTACAGTTTCACTGACAATGCCCCAGCCCTTCAATTGGAGGCAGCAGCCGCTAGATAGTACTACCCC
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 CTCCCCATATTATCAAGGCTTTGAAAGTTACTACTCTCCAGGTTATGCACAGTCCAGCCAGGGACTCTC
 ACCTCAAGCAGCCAGGCAGGAATGGAGGGCCAGCCCTAAAGACAAAAAGGATGAGGAGCCTGAGAGCG
 TAGAAGGGAAAGTAAAGAATGATGTCTGTGAGGAAAAGAAGCCGGAGCTGAGCAATTCCAGTCAGCAGCC
 CTCCGTCATCCAGCAGCGGCCAACATGTACATGCAGTCCCTGTACTACAACAGTATGCCTACGTGCCT
 CCTTATGGCTACAGTGACCAGAGTTACCACAGCCACCTCCTGAGTACCAACACCGCTTATCGGCAGCAGT
 ATGAAGAACAGCAGAAGCGGCAGAGCCTGGAGCAGCAGCAGCAGCAGCAGCGGGGACTGGACAAGAAGAC
 AGAGATGGGCCTGAAAGAGCGGGAGGCATCGCTCAAGGAAGAGTGGAAGCAAAAGCCCTCAATTCCACCA
 ACTCTACCAAGGCTCCAGCCTGACAGACCTGGTGAAGTCAGGGCCCGCAAGGCCAAGGAGCCTGGGA
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 AAAATTAAGGAGGACAGGAGCCGGAGTAAGGACTCTGTTCCCAAGGAAGACGGGAAGGAAGCACAAAGT
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 TGCTGTGTCTCCCGCTCACCAGCACCAGTCTACATCCCTACATGCATGGCTACTTTACAGCCA
 GTCATATGACCCCAACCCACCCAGCTACCGGGGATGCCTGCTGTGATGATGCAGAACTACCCAGGTTCC
 TATTTGCCTTCCAGCTATTCTTTCTCCCGTATGGCAGCAAGGTCTCAGGTGGCGAGGACGCTGACAAGG
 CCCGTGCCAGCCCCAGTGTGAGCTGTAAAGCCAGCTCAGAGTCCAAGCCCTGGACATCTTGACGCAACA
 TGCCAGTCACTACAAGAGCAAGTCTCCACGATAAGTGATAAAAATTCTCAGGAGAGAGATCGAGGAGGC
 TGTGGGGTGGTTGGGGTGGTGGCAGCTGTGGCAGTGTTCGGGAGCAGGAGGTACTGACAGGAGTGCCG
 ACCGGCCCCGCACATCCCTTCCAGCGCTGATGTCCACACACCACCACCACCACCTTGGGCTATTC
 CTTGCTCCAGCACAGTACAACCTACCTATGCCGAGGGCTTTCTTCTACAGCCATTGTTGCCAGCCAG
 CAAGGCTCAACTCCCTCACTCTACCCACCCCCCGAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_172536
Insert Size: 4242 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_172536.3, NP_766124.2</u>
RefSeq Size:	8602 bp
RefSeq ORF:	4242 bp
Locus ID:	214812
UniProt ID:	<u>Q8BZ47</u>
Cytogenetics:	9 C
Gene Summary:	Transcription factor, which activates RAG1, and possibly RAG2, transcription. Through the regulation of RAG1/2 expression, may regulate thymocyte maturation (PubMed:28344082). Along with NIPBL and the multiprotein complex Integrator, promotes cortical neuron migration during brain development by regulating the transcription of crucial genes in this process. Preferentially binds promoters containing paused RNA polymerase II. Up-regulates the expression of SEMA3A, NRP1, PLXND1 and GABBR2 genes, among others (PubMed:28041881).[UniProtKB/Swiss-Prot Function]