

## Product datasheet for **MR227220**

### **Ikkg (NM\_001161422) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ikkg (NM_001161422) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ikkg
Synonyms:	1110037D23Rik; AI848108; AI851264; AW124339; IKK[g]; NEMO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR227220 representing NM\_001161422  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCGGTGCCTTGAAAATGGGACACTGTCTGTTGGATGAACAAGCACCCCTGGAAGAACCAGCTGAGTG  
 AGATGGTGCAGCCAGTGGTGGCCAGCAGAGGACCAGGACATGCTGGGTGAAGAATCTTCTCTGGGAA  
 GCCTGCAATGCTACATCTGCCTTCAAGCAGGGTACTCCTGAGACCCCTCCAGCGCTGCCTGGAAGAGAAT  
 CAAGAGCTCCGAGACGCTATCCGGCAGAGCAATCAGATGCTGAGGGAACGCTGTGAGGAGCTGCTGCATT  
 TCCAGGTCAGCCAGCGGGAGGAGAAGGAGTTCTTATGTGCAAATTCAGGAAGCCCGGAAGCTGGTGGAA  
 GAGACTGAGCTTGGAGAAGCTTGATCTTCGGAGTCAGAGGGAACAGGCCCTAAAGGAGTTGGAGCAACTG  
 AAGAAATGCCAACAGCAGATGGCTGAGGACAAGGCCTCTGTGAAAGCTCAGGTGACATCATTGCTCGGAG  
 AACTCCAGGAGAGCCAGAGCCGTTTGGAGGCTGCCACCAAGGATCGGCAAGCTTTAGAGGGAAGGATTTCG  
 AGCAGTTAGTGAGCAGGTGAGACAGCTGGAGAGTGAGCGGGAGGTGCTACAGCAGCAGCACAGCGTCCAG  
 GTGGACCAGCTGCGTATGCAAGAACCAGAGCGTGGAGGCTGCCTTGCGAATGGAGCGGCAGGCTGCTTCAG  
 AGGAGAAGCGGAAGCTGGCTCAGTTGCAGGCAGCCTATACCCAGCTCTTCCAAGACTACGACAGCCACAT  
 TAAGAGCAGCAAGGGCATGCAGCTGGAAGATCTGAGGCAACAGCTCCAGCAAGCTGAGGAGGCCCTGGTA  
 GCCAAACAGGAATTGATTGATAAGCTGAAAGAGGAGGCTGAGCAGCACAAGATTGTGATGGAGACTGTGC  
 CAGTCTTGAAGGCCAGGCGGATATCTACAAGGCTGACTTCCAAGCTGAGAGGCATGCCCGGAGAAAGCT  
 GGTGGAGAAGAAGGAGTATTTGCAGGAGCAGCTGGAGCAGCTGCAGCGGAGTTCAACAAGCTGAAAGTT  
 GGCTGCCATGAGTCAGCCAGGATTGAGGATATGAGGAAGCGGCATGTAGAGACTCCCCAGCCTCCTTTAC  
 TCCCTGCTCCAGCTCACCACTCCTTTCAATTTGGCCTTGTCCAACCAGCGGAGGAGCCCTCCTGAAGAACC  
 TCCTGACTTCTGTTGCCGAAGTGCCAGTATCAGGCTCCTGATATGGACTCTACAGATACATGTCATG  
 GATGCATAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR227220 representing NM\_001161422  
 Red=Cloning site Green=Tags(s)

MRCLENGLSCWMNKHWPKNQLSEMVQPSGGPAEDQDMLGEESLGGKPAHLHPSEQGPETLQRCLEEN  
 QELRDAIRQSNQMLRERCEELLHFQVSQREEKEFLMCKFQEARLVERLSLEKLDLRSQREQALKELEQL  
 KKCQQQMAEDKASVKAQVTSLLGELQESQSRLEAATKDRQALEGRIRAVSEQVRQLESEREVLQQQHSVQ  
 VDQLRMQNSVEAALRMERQAASEEKRLAQLQAAYHQLFQDYDSHIKSSKGMQLEDLRQQLQQAEEALV  
 AKQELIDKLKEEAQHKIVMETVPVLKAQADIYKADFQAERHAREKLVEKKEYLQEQLQREFNKLKV  
 GCHE SARIEDMRKRHVETPQPPLLPAPAHHSFHLALSNQRRSPPEEPPDFCCPKCQYQAPMDTLQIHVM  
 ECIE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

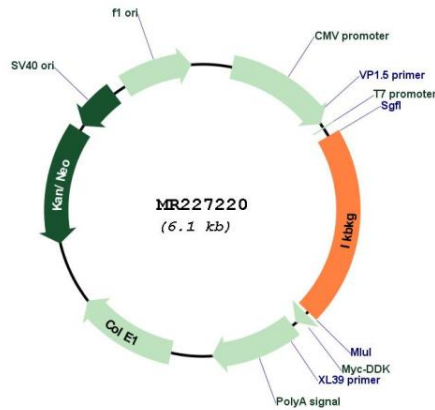
Sgfl-MluI



**Gene Summary:**

Regulatory subunit of the IKK core complex which phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Its binding to scaffolding polyubiquitin seems to play a role in IKK activation by multiple signaling receptor pathways. Also considered to be a mediator for TAX activation of NF-kappa-B. Could be implicated in NF-kappa-B-mediated protection from cytokine toxicity. Involved in TLR3- and IFIH1-mediated antiviral innate response; this function requires 'Lys-27'-linked polyubiquitination.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR227220