

Product datasheet for **RC226825**

IKK gamma (IKBK) (NM_001145255) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IKK gamma (IKBK) (NM_001145255) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IKK gamma
Synonyms:	AMCBX1; EDAID1; FIP-3; FIP3; Fip3p; IKK-gamma; IKKAP1; IKKG; IMD33; IP; IP1; IP2; IPD2; NEMO; ZC2HC9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC226825 representing NM_001145255 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAGGCACCTCTGGAAGAGCCAACCTGTGTGAGATGGTGCAGCCAGTGGTGGCCCGGCAGCAGATC
AGGACGTACTGGGCGAAGAGTCTCCTCTGGGGAAGCCAGCCATGCTGCACCTGCCTTCAGAACAGGGCGC
TCCTGAGACCCTCCAGCGCTGCCTGGAGGAGAATCAAGAGCTCCGAGATGCCATCCGGCAGAGCAACCAG
ATTCTGCGGGAGCGCTGCGAGGAGCTTCTGCATTTCCAAGCCAGCCAGAGGGAGGAGAAGGAGTTCCTCA
TGTGCAAGTTCAGGAGGCCAGGAACTGGTGGAGAGACTCGGCCTGGAGAAGCTCGATCTGAAGAGGCA
GAAGGAGCAGGCTCTGCGGGAGGTGGAGCACCTGAAGAGATGCCAGCAGCAGATGGCTGAGGACAAGGCC
TCTGTGAAAGCCAGGTGACGTCTTGCTCGGGAGCTGCAGGAGAGCCAGAGTCGCTTGGAGGCTGCCA
CTAAGGAATGCCAGGCTCTGGAGGGTCGGAGGAAGCTGGCCAGTTGCAGGTGGCCTATACCAGCTCTT
CCAAGAATACGACAACCACATCAAGAGCAGCGTGGTGGGCACTGAGCGGAAGCGAGCGGATATCTACAAG
GCGGACTTCCAGGCTGAGAGGCAGGCCCGGGAGAAGCTGGCCGAGAAGAAGGAGCTCCTGCAGGAGCAGC
TGGAGCAGCTGCAGAGGGAGTACAGCAAACCTGAAGGCCAGCTGTCAGGAGTCGGCCAGGATCGAGGACAT
GAGGAAGCGGCATGTCGAGGTCTCCAGGCCCTTCCCCCGCCCTGCTACCTCTCCTCTCCCCTG
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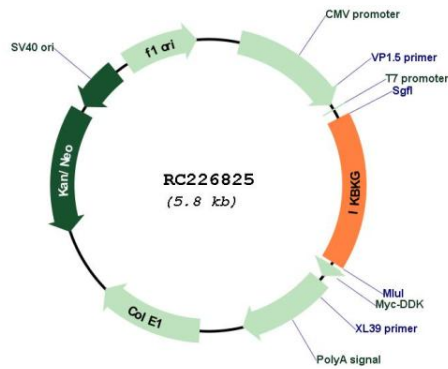
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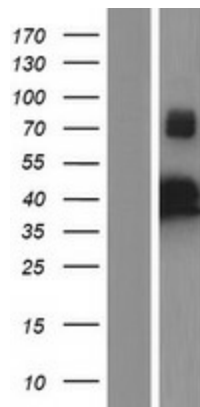
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex 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_001145255.4
RefSeq ORF:	963 bp
Locus ID:	8517
UniProt ID:	Q9Y6K9
Cytogenetics:	Xq28
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Acute myeloid leukemia, Adipocytokine signaling pathway, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Cytosolic DNA-sensing pathway, Epithelial cell signaling in Helicobacter pylori infection, MAPK signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Primary immunodeficiency, Prostate cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway
MW:	36.8 kDa
Gene Summary:	This gene encodes the regulatory subunit of the inhibitor of kappaB kinase (IKK) complex, which activates NF-kappaB resulting in activation of genes involved in inflammation, immunity, cell survival, and other pathways. Mutations in this gene result in incontinentia pigmenti, hypohidrotic ectodermal dysplasia, and several other types of immunodeficiencies. A pseudogene highly similar to this locus is located in an adjacent region of the X chromosome. [provided by RefSeq, Mar 2016]

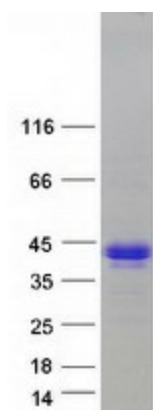
Product images:



Circular map for RC226825



Western blot validation of overexpression lysate (Cat# [LY428764]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226825 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified IKBKG protein (Cat# [TP326825]). The protein was produced from HEK293T cells transfected with IKBKG cDNA clone (Cat# RC226825) using MegaTran 2.0 (Cat# [TT210002]).