

Product datasheet for **RG204896**

NKG7 (NM_005601) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	NKG7
Synonyms:	GIG1; GMP-17; p15-TIA-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204896 representing NM_005601
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTCTGCCGGTCCCTGGCCCTGCTGGGGGGCTCCCTGGGCCTGATGTTCTGCCTGATTGCTTTGA
GCACCGATTCTGGTTTGAGGCTGTGGGTCCCACCCACTCAGCTCACTCGGGCCTCTGGCCAACAGGGCA
TGGGGACATCATACAGGCTACATCCAGTGACGACGACCTTCAGCATTATGGCTGTTCTGTGGGCCCTG
GTGTCCGTGAGCTTCTGGTCTGTCTGCTTCCCTCACTGTTCCCCCAGGCCACGGCCCGCTTGCT
CAACCACCGCAGCCTTTGCTGCAGCCATCTCCATGGTGGTGGCCATGGCGGTGTACACCAGCGAGCGGTG
GGACCAGCCTCCACACCCAGATCCAGACCTTCTTCTCCTGGTCTTCTACCTGGGCTGGGTCTCAGCT
ATCCTCTTGCTCTGTACAGGTGCCCTGAGCCTGGGTGCTCACTGTGGCGGTCCCGCTCTGGCTATGAA
CCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204896 representing NM_005601
Red=Cloning site Green=Tags(s)

MELCRSLALLGGSGLMFLIALSTDFWEAVGPTHSAHSLWPTGHGDIISGYIHVTQTFSIMAVLWAL
VSVSFLVLSCFPSLFPPGHGLVSTTAFAAAISMVAMAVYTSEWDQPPHPQIQTFFSWSFYLGWVSA
ILLCTGALSLGAHCGGPRPGYETL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_005601

ORF Size: 495 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

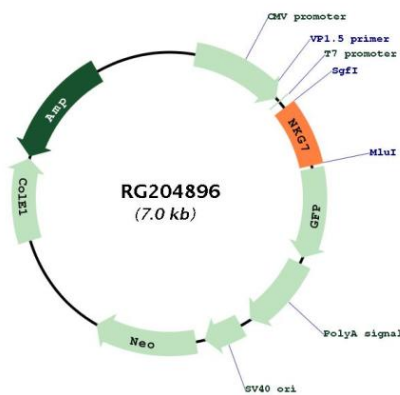
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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: [NM_005601.4](#)

RefSeq Size:	826 bp
RefSeq ORF:	498 bp
Locus ID:	4818
UniProt ID:	Q16617
Cytogenetics:	19q13.41
Domains:	PMP22_Claudin
Protein Families:	Transmembrane

Product images:



Circular map for RG204896