

Product datasheet for **RG219330**

Kallikrein 12 (KLK12) (NM_145895) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kallikrein 12 (KLK12) (NM_145895) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: KLK12
Synonyms: KLK-L5; KLKL5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG219330 representing NM_145895
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCTCAGCATCTTTTTGCTCCTGTGTGTTCTTGGGCTCAGCCAGGCAGCCACACCGAAGATTTCA
 ATGGCACTGAGTGTGGGCGTAACTCACAGCCGTGGCAGGTGGGGCTGTTGAGGGCACCAGCCTGCGCTG
 CGGGGTGTCCTTATTGACCACAGGTGGGTCTCACAGCGGCTCACTGCAGCGGCAGACCCATTCCCGGA
 TCTGCTCCAGTGCCTCAACCTCTCCATCGTCTCCATGCCACCTGCCATGGTGTGTATCCCGGGAGAATC
 ACGAGCAACATGGTGTGTGCAGGCGGCTCCCGGGCAGGATGCCTGCCAGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219330 representing NM_145895
 Red=Cloning site Green=Tags(s)
 MGLSIFLLLCVLGLSQAATPKIFNGTECGRNSQPWQVGLFEGTSLRCGGVLIDHRWVLTAAHCSGRPIPG
 SAPVQPQLHRLPCHLPWCVSRENHEQHGVCRRRPGAGCLPG

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<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:	<u>NM_145895.1</u> , <u>NP_665902.1</u>
RefSeq Size:	814 bp
RefSeq ORF:	417 bp
Locus ID:	43849
UniProt ID:	<u>Q9UKR0</u>
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Protease, Secreted Protein
Gene Summary:	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Alternate splicing of this gene results in three transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]