

Product datasheet for **MG219829**

Krt76 (NM_001033177) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt76 (NM_001033177) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt76
Synonyms:	2310001L23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG219829 representing NM_001033177
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAGACAAGCCTGCAAGAAATCCTTCAGTTGTGGAGCCAGGGCTTCTCTGGCCACTCAGCTGTGG
 TATCTGGCAGCAGCAGGAGCAGCTGTGTGGCTCGCTCTGGGGCAGCCAGTGGAGGGGCTTGTGGTTCCG
 GAGCGGAGCAGGTAGCCTTGGCAGTCACAGCCTCTACAGCCTGGGTGGCAGTAAGAGTATTTCTATCAGC
 GTGGCGGCTGGTGGCTCCCGGGCTGGTGGCTTCAGTGGAGGGCGTAGCAGCTGTGGCAGTGGCTTTGGAA
 GTGGCTATGGAGGTAGCCTTGGTGGTAGTAGGAATGGGAGCTGGCTTTGGGGGCCCTTCTGGATTGG
 GGGAGCTGGTGGCTTTGGTAGGCCTGGTAGCTTTGGCCCTGGTAGCTGCCCTGGTGAATCCAGGAAGTG
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 AGGAGCGTGAACAGATCAAGACCCTCAACAACAAGTTTGCTTCCTTCATCGACAAGGTGCGCTTCTGGA
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 TGAAGAGGAGATCAACAGGCGTACTGCTGCAGAGAATGAATTTGTAGGGCTGAAGAAGGATGTAGATGGA
 GCTTTTCATGAACAAAGTGGAGCTGCAGGCTAAAGTGGACAGTCTGACAGATGAAATCAACTTTCTGAGGA
 CTCTCTACGACATGGAGCTGTCCAGATACAGAGTCATGTGAGTACACATCTGTGGTCTGTCCATGGA
 CAACAACCGCTGCCTGGACCTGGACAGCATCATCGCTGAGGTCAAGGCCAGTATGAGGACATTGCCAG
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 GGAGATTGAGAATGTCAAGAAGCAGAACAACCAACATGCAGACATCCATTGCAGAGGCTGAACAGCGTGGT
 GAGCGGGCCCTCAAGGATGCAGATACCAAATTCGAAGACTTGCAGGTTGCTCTGCAGAAGGCCAAGGAGG
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 GAGGGGATAGCAGTGGCAGAAGCGGCGGCAGCAGCAGCAGCAGCAGAGGCAGCAGCAGAGGCGAG
 CAGTGGGAGCAGACTTGGCAGTGGAGGCAGCATCTCCGTGAGCCAGCAGAGAATGGGCTTTAACTCTGGT
 GGCAGCCAGACCTCAGTAGGCAGCAGCTACAAGTCTGGCAGAGGAGGCAGCAGCAGTGTTCAGTTCTCTC
 AGACCACCAAGTTCAAGCCAGCAACGCTCCAAG

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

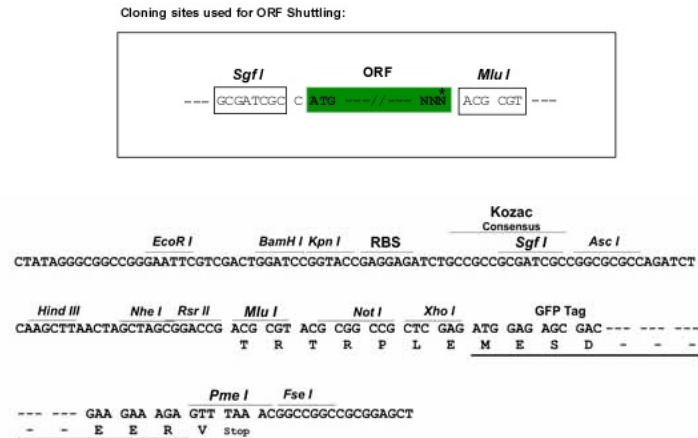
>MG219829 representing NM_001033177
 Red=Cloning site Green=Tags(s)

MSRQACKKSFSCGSQGFSGHSAVVSRRSSCVARSGAASGGACGFRSGAGSLGSHSLYSLGGSKISIS
 VAAGGSRAGGFSGGRSSCGSGFSGYGGSLGSRGMGAGFGGPSFGGAGGFGPGRSFGPGSCPGGIQEV
 TINQSLQLPLNVEIDPQIGQVKAQEREQIKTLNNKFASFIDKVRFLQNNKVLTKWELLQQQTIRSGSG
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 AFMNVKVELQAKVDSLDEINFLRTLDMELSQIQSHVSDTSVVLSDNNRCLDLDSIIAEVKAQYEDIAQ
 KSKAEAEALYQTKLGELQTTAGRHGDDLSTKSEIMDLNRMIQRLRAEINVKKQNTNMQTSIAEAEQRG
 ERALKDADTKFQDLQVALQKAKEDMARLLKEYQELMNVKLALDVEIATYRKLLEGECECLSGEFQNAVSI
 SVVSNVTSTSSSGSFRGTGGSNYGGDSSGRSGSSSSSSRGSSSSSRLGSGGSI SVSQQRMGFNSG
 GSQTSVGSYSYKSGRGGSSSVQFSQTTSSSQQRSK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001033177

ORF Size: 1782 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_001033177.2](#), [NP_001028349.1](#)

RefSeq Size: 2312 bp

RefSeq ORF: 1785 bp

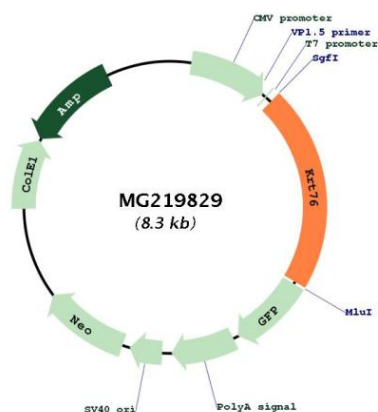
Locus ID: 77055

UniProt ID: Q3UV17

Cytogenetics: 15 F2

Gene Summary: Probably contributes to terminal cornification.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG219829