

Product datasheet for **MR227635**

Krt1 (NM_008473) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt1 (NM_008473) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt1
Synonyms:	Krt-2.1; Krt2-1; Krt86
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR227635 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTCTACAGTGTAGCTCCAGGTCCTGTGCCGGTGGCGGTGGCAGCAGGAACTTCAGCTCAGGCT
CTGCTGGCTAGTCAGCTTCCAGCGCAGATCCACCAGCAGCTCTATGCGCCGAGCGGTGGAGGTGGTGG
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CTTGGAGGCGGTAGGAGCATCTCCAAGAGTGTGGCTGGAGGTGGTGGCAGCTTCTGTGGTGGCTTTGGGG
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CAACAAAACCAGGTGCTACAAACCAAATGGGAGCTGCTGCAGCAGGTAGACACCACAACCCGGACCCAAA
ACTTAGACCCTTTTTTTGAAGTATATCAGCATCCTCAGAAGGAAGGTGGACTCGTGAAGAGTGACCA
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CGGTGGCAGTTATGGCGGCGGCTCTGGAGGCGGCAGCTACGGCGGCAGTTCTGGAGGCGGAGGCAGTGGT
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GGGAGGATCCAGCTCAGGTGGCGGTGGCGTTAAGTCTCTGGCAGTTCTACCGTGAAGTTTGTTCACC
AGTTACTCCCAGGGACAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR227635 protein sequence
Red=Cloning site Green=Tags(s)

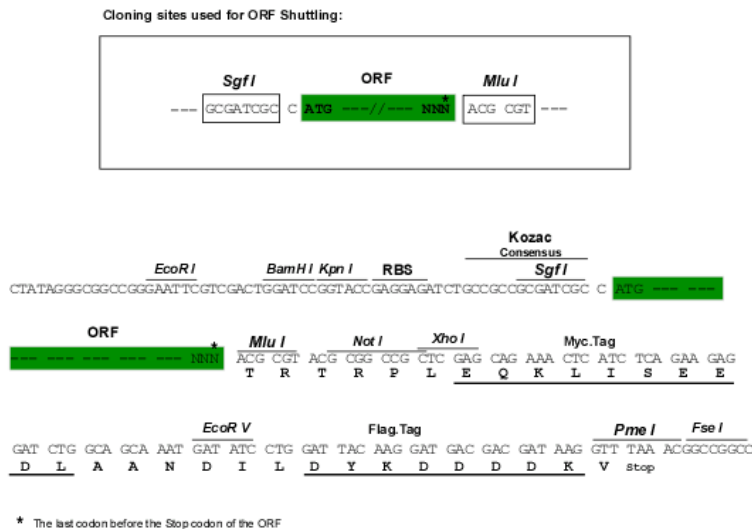
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 DGCKKQISQIQQNINDAEQRGEKALKDAQNKLNEIEDALSQCKEDLARLLRDFQELMNTKLALDMEIATY
 KKLLEGEIIRMSGECTPNVSVSVSTSHTSMSGSSSRGGSGGGRYGGGGSYGGSGGGSYGGSSGGGGSG
 GSYGGSGGGSYGGSGGGSSGSHRGGSGGGGSSGGSYGGSSGGGRGGSSSGGGVKSSGSSTVKFVST
 SYSRGTK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_008473

ORF Size: 1914 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.

RefSeq: [NM_008473.2](#), [NP_032499.2](#)

RefSeq Size: 2462 bp

RefSeq ORF: 1914 bp

Locus ID: 16678

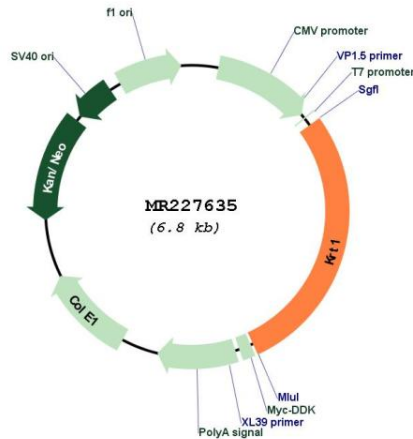
UniProt ID: [P04104](#)

Cytogenetics: 15 57.06 cM

MW: 65.6 kDa

Gene Summary: May regulate the activity of kinases such as PKC and SRC via binding to integrin beta-1 (ITB1) and the receptor of activated protein C kinase 1 (RACK1). In complex with C1QBP is a high affinity receptor for kininogen-1/HMWK (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227635