

Product datasheet for **MR220545**

Krt13 (NM_010662) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt13 (NM_010662) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt13
Synonyms:	CK13; K13; Krt-1.1; Krt-1.13; Krt1-1; Krt1-13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220545 representing NM_010662
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTGCCGCTTCCAGAGTTCCTCCATGAGCTATGGAGGTGGTTTCGGAGCTGGTTCTTGCCAGCTTG
 GAGGAGGCCGTAATATCTCCTCCTGCTCATCTCGTTTTGCACTGGAGGGTCAGCTGGAGGCTATGGAGG
 GGGCATGAGCTGTGGCTTTGGTGGAGGAGCTGGTGGTGGCTTTGGAGGTGGCTTTGGAGGTGGCTTTGGA
 GGATGCTATGGCGGAGGTTTTGGCGGTGGCTTTGGTACTTCGGAGGTGTCGATGGTGGCCTCCTCTCTG
 GCAACGAGAAGATCACCATGCAGAACCTCAATGACCGCCTGGCCAGTACCTGGATAAGGTGCGCGCCTT
 GGAGGCAGCCAATGCCGACCTGGAGGTGAAGATTCGTGACTGGCATCTGAAACAGAGCCAGCTAGTCCA
 GAGCGGGACTACAGTCTTATTATAAGACCATCGAGGAGCTCCGGATCAAGATTCTGGAAGCCACCACGG
 ACAACAACCGGATCATCCTGGAGATTGACAATGCCAGGCTGGCTGCAGATGACTTCAGGCTCAAGTACGA
 AAATGAGCTGACCTTGCGCCAGAGCGTGGAGGCCGACATCAACGGCCTGCGCAGGGTGTGGATGAGCTG
 ACTCTGGCTAAGACTGACCTGGAATGCAGATTGAGAGCCTGAATGAAGAAGTGGCTTACCTGAAGAAGA
 ACCACGAAGAGGAGATGAAGGAATTCAGCAACCAGGTAGTAGGCCAGGTCAATGTGGAGATGGACGCCAC
 CCCTGGCATTGATCTGACCCGTGTGCTGGCTGAGATGAGGGAGCAGTATGAAGCCCTGGCAGAGAAGAT
 CGGAGGGATGCTGAGGAATGGTTCAGACCAAGAGTGCAGAGCTGAACAAGGAAGTATCCTCCAACGCTG
 AAATGATCCAGACCAGCAAGACAGAGATCACAGAACTCAGGCGCACACTCCAGGGCCTGGAGATTGAGCT
 GCAGTCCCAGCTGAGCATGAAAGCCGGCCTGAAAAGTACGTTGGCAGAGACAGAGTCCCGCTACGCCCTG
 CAGCTGCAACAGATCCAGGGCTCATCAGCAGCATCGAGGCTCAGCTGAGCGAGCTCCGAAGTGAAGTGG
 AGTGCCAGAACCAGGAATACAAGATGCTGTTGGACATCAAAACAAGGCTGGAACAGGAGATCGCCACCTA
 CCGCAGCCTGCTAGAGGGCCAGGATGCTAAGATGACCGGCTTCAACTCCGGAGGAAATAACACTACTACC
 TCCAACGGGTCCCCCTCCTCCAATTCCGGTCGCCAGATTTCGAAAGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220545 representing NM_010662
 Red=Cloning site Green=Tags(s)

MSCRFQSSMSYGGGFGAGSCQLGGGRNISSCSSRFVTGGSAGGYGGMSCGFGGGAGGGFGGGFGGGF
 GSYGGGFGGGFGDFGGVDGGLLSGNEKITMQLNDRLASYLKVRALAAANADLEVKIRDWHLKQSPASP
 ERDYSAYYKTIIEELRIKILEATTDNNRIILEIDNARLAADDFRLKYENELTLRQSV EADINGLRRVLDL
 TLAKTDLEMQIESLNEELAYLKKNH EEMKEFSNQVVGQVNVEMDATPGIDLTRVLAEMREQYEALAEKN
 RRDAEEWFQTKSAELNKEVSSNAEMIQTSKTEITELRRTLQGLEIELQSQLSMKAGLESTLAETECRYAL
 QLQQIQGLISSIEAQLSELRSEMECQNQEYKMLLDIKTRLEQEIATYRSLLLEGQDAKMTGFNSGGNNTT
 SNGSPSSNSGRPDFRKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9089_a09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_010662

ORF Size: 1311 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_010662.2](#), [NP_034792.1](#)

RefSeq Size: 1674 bp

RefSeq ORF: 1314 bp

Locus ID: 16663

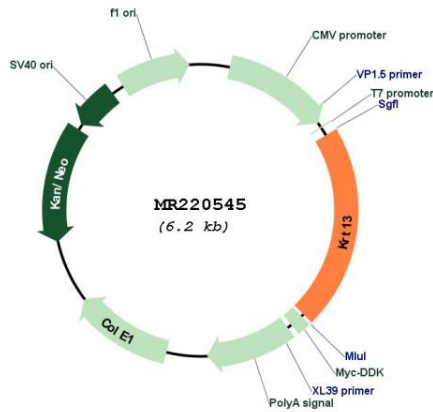
UniProt ID: [P08730](#)

Cytogenetics: 11 63.41 cM

MW: 47.8 kDa

Gene Summary: The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR220545