

Product datasheet for **MG208624**

Krt73 (NM_212485) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt73 (NM_212485) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt73
Synonyms:	BC067067; Kb36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG208624 representing NM_212485
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCGCCAATTCACCTGCAAACCTGGAGTTGCCAACAGGGGCTTCAGCGGCTGCTCAGCTGTGCTCT
 CCGGAGGCAGCTCATCCTTACCGGGCAGCCGGCAAAGGGCTCAGTGGAGGCTTCAGCAGTCGGAGCCT
 CTACAGCCTGAGGAGTCCCAGGAGCATCTCCTCAATGTGGCTAGCAGCAGCGGGCGCACAGGGGATAT
 GGGTTTGGCCGAATCGGGCCAGTGGCTTTGCTGGCAGTATGTTTGGCAGTGGGGCTCTGGGGCCTTCAA
 ATCCATCCTTGTGCCTGCCTGGAGGCATCCACCAGGTAACAGTCAATAAAAGCCTCCTGGCTCCTCTCAA
 TGTGGAGCTGGACCCGGAGATCCAGAAGGTGCGCGCCAGGAGCGGGAGCAGATCAAGGCTCTGAACAAC
 AAATTCGCTCCTTCATCGACAAGGTGCGCTTCTGGAGCAGCAGAACAGGTGCTGCAGACCAAGTGGG
 AGCTGCTGCAGCAGCTGGACCTGAGCAACTGCAGGAGAACCTGGAGCCTGTTTATGAGGCCACATCAG
 CAGCCTGCAAAAGCAGCTGGATTCGCTATCTGGGGACAGGGTGGAGCTGGACTCGGAGCTGAGGGGCATG
 CGGGATGCAGTGGAGGACTGCAAGAAGAGGTATGAAGAAGAAATAACAAGCGTACAACCTGCTGAGAATG
 AATTTGTAGTGCTTAAGAAGGATGTGGATGCCGATACATGAGCAAGGTGGAGCTTCAGGCCAAGGTGGA
 CGCCCTGGATGGAGAGATCAAATTCCTCAAGTGTCTGTATGAGGGGGAGATTACTCAGATGCAGTCCCAC
 ATAAGTGACACCTCTGTGGTCTGTCCATGGACAACAACCGCAACCTGGACCTGGACAGCATCATCGCTG
 AGGTCCGAGCTCAGTACGAGGACATTGCCCTGAAGAGCAAGGCAGAGGCTGAGATGGTGTACCAGACCAA
 GTTCCAAGAGCTGCAGCTGGCAGCTGGCCGGCACGGAGATGACCTCAAGCACACCAGGAATGAGATCTCT
 GAGTTGACCCGGCTCATCCAGAGACTGCGATCAGAAATCGAGAGTGTGAAGAAGCAATGTTCCAATCTAG
 AGACAGCATTGCTGATGCTGAGCAGCAGGTTGACTGTGCCCTCAAGGATGCCCGGGCCAAGCTGGATGA
 GCTGGAGAGAGCCCTGCACCAGGCTAAGGAGGAGCTGGCCCGGATGCTGCGGTGAGCACCCAGGAGTGATG
 AGTATGAAGCTGGCCCTGGACATTGAGATCGCCACCTACCGCAAGCTGCTGGAGGGGGAGGAGTGCAGGA
 TGTCTGGAGAACACACAGTGTGTGAGCATTTCTGTCATCAGTAGTTCCGCACCTGGGACAGTCGGTGC
 GGGGACCAGTTTCGGATTGAGTACGCTGGGACCTATGGCTACCGGCAGAGCTCTGTCGTTGGGGCTAT
 GGCATACTGTGAGGGGCTGTGCTACTGGTAGTGGGAAGTGCAGCCCCGTGGAGATACCAAGAACAGAC
 TGGGTAGTGAAGTGAATTTAAGGAGGTTTCGGAAAGACCTTGGCTTTGGGCTCACCTCAAAGAAAAC
 CATGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208624 representing NM_212485
 Red=Cloning site Green=Tags(s)

MNRQFTCKPGVANRFGSGCSAVLSGGSSSSYRAAGKLSGGFSSRSLYSLRSPRSISFNVAASSSRTGGY
 GFGRNRSAGFAGSMFSGALGPSNPSLCLPGGIHQVTVNKSLAPLNVELDPEIQKVRQEREQIKALNN
 KFASFIDKVRFLQEQNVLQTKWELLQQLDL SNCRRLNLEPVYEAHISSLQQLDSL SGRVRLDSELRGM
 RDAVEDCKKRYEEEINKRTTAENEFVVLKDVDAAYMSKVELQAKVDALDGEIKFLKCLYEGETQMOSH
 ISDTSVVL SMDNNRNL DLSIIAEVRAQYEDIALKSKAEAEVYQTKFQELQLAAGRHGDDLKHTRNEIS
 ELTRLIQRLRSEIESVKKQCSNLETAIADAEQRGDCALKDARAKLDELERALHQAKEELARMLREHQELM
 SMKALDIEIATYRKLLEGEECRMSGEHTSAVSISVISSAPGTVGAGTSFGFSSAGTYGYRQSSVAGGY
 GILSGGCVTSGNCSPRGDTKNRLGSASEFKEVSGKTLALGSPSKKTMR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_212485

ORF Size: 1617 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_212485.3](#)

RefSeq Size: 2154 bp

RefSeq ORF: 1620 bp

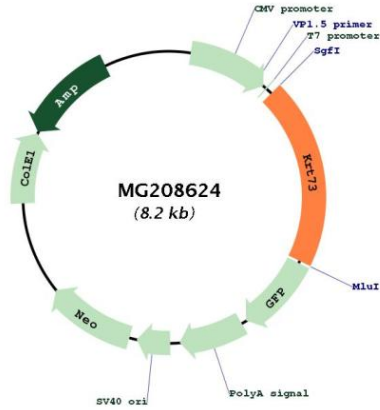
Locus ID: 223915

UniProt ID: [Q6NXH9](#)

Cytogenetics: 15 F2

Gene Summary: Has a role in hair formation. Specific component of keratin intermediate filaments in the inner root sheath (IRS) of the hair follicle (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208624