

Product datasheet for **MG221895**

Krt4 (NM_008475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt4 (NM_008475) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt4
Synonyms:	AW108092; K4; Krt-2.4; Krt2-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221895 representing NM_008475
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCGCCAGACAGTCAAGTGTCCGCGGAGCCTCCCGGGCTTTAGCAGTGGCTCAGCTATTGCTGGTG
 GTGTCAAGCGAGTGGCCTTTAGCTCAGGCTCCATGTCTGGCGGTGCAGGGCGCTGCTCTTCTGGGGCTT
 CGGCAGCAGAAGTCTTTACAACCTCGGGGGTCAACAAGATATCTCCATGAGCGTGGCTGGGTCTGCCAA
 GGCGGGGCTATGGGGTGGCGGAGGCTTCGGCGTTGGAGGATACGGTGTGGGTTTGGTCCGGTGGTT
 TTGGCGGTGGCTTTGGAGGCTCCTTCAACGGTCGAGGAGGTCTGGCTTCCAGTCTGTCTGCTGGAGG
 TATTCAGGAAGTCAACATCAACCAGAGCCTGCTGACACCTCTTCAGGTGGAGATTGACCCAGAGATCCAG
 AAAATCCGCACGGCGGAGCGTGAGCAGATCAAGACCTCAACAACAAATTCGCGTCTTCATCGATAAGG
 TGGATTCTTAGAGCAACAGAACAAGTCTGGAGACCAATGGAACCTCTCCAGCAGCAGACAACCAC
 CACATCTCCAAAAGCCTGGATCTTTCTTTGAGACTTACATCAACGCCTTGAGGAAGAACCTGGACT
 TTGAGCAATGACAAAGGTGCGCTACAGTCAGAGCTAAAGATGATGCAGGACAGTGTGGAGGACTTCAAGA
 CCAAGTATGAAGAGGAGATCAACAAGCGTACAGCTGCAGAGAATGACTTCGTGGTCTCAAGAAAGATGT
 GGATGCTGCCTACATGATCAAGGTGGAGTTAGAGGCCAAGATGGAAAGCCTTAAGGATGAGATCACTTC
 ACGAGAGTCTCTATGAAGCGGAGCTGGCCAGATGCAGACACATGTCTCAGACACATCTGTAGTGTGT
 CCATGGACAACAACCGGAACCTGGACCTGGATGGCATCATCGCAGAGGTCCGGGCCAGTATGAGGACAT
 TGCTAGGAAGAGCAAGGCTGAGGTTGAATCCTGGTACCAGATCAAGGTCCAGCAGCTCCAGATGTCAGT
 GACCAACATGGAGATAGCCTGAAGACCACCAAGAATGAGATCTCAGAACTCAACAGGATGATCCAGAGGC
 TGCGGGCAGAGATTGAGAACATCAAGAAGCAGAGCCAGACTCTGCAGGCATCTGTGGCTGATGCAGAGCA
 GCGTGGAGAGCTGGCCCTCAAAGATGCCTACAGCAACCGCGCAGAACTGGAGACTGCACTGCAGAAGGCC
 AAGGAGGACCTGGCCCGCTGCTGAGGGACTACAGGCTCTCATGAACGTCAAGCTGGCCCTGGATGTGG
 AGATTGCCACCTACAGGAAGCTGCTGGAGGGCAGGAGTGCAGGATGTCTGGAGAATGCAAGAGTGTGT
 GAGCATCTCGGTAGTTGGCGGCAGGCCAGCATTGGCGCAGTGGCCTTGGCCTGGGTAGCGTTTTTGC
 TCCGGTCTGTTCTGGAAGTGGCTTTGGATTTGGTGGTGGCATTATGGCGTTCTGTTCCAAGATCA
 CCTTCCGCCACCATCACCAAGAGTCCCCACGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG221895 representing NM_008475
 Red=Cloning site Green=Tags(s)

MIARQSSVRGASRGFSSGSAIAGGVKRVAFSSGSMSSGAGRCSSGGFGRSLYNLGGHKSISMSVAGSCQ
 GGGYGGAGGFGVGGYAGFGAGGFGGGFSGSFNGRGGPFPVCPAGGIQEVTINQSLLTPLQVEIDPEIQ
 KIRTAEREQIKTLNKFASFIDKVRFLQNKVLETKWLLQQQTTTTSPKSLDPFFETYINALRKNLDT
 LSNDKGRLLQSELKMMQDSVEDFKTKYEEEINKRTAAENDFVVLKKDVAAYMIKVELEAKMESLKDEINF
 TRVLYEAEALQMQTHVSDTSVVLSDNRRNLDLDGIIAEVRAQYEDIARKSKAEVESWYQIKVQQLQMSA
 DQHGDLSLTKTNEISELNRMIQRLRAEIEIKKQSQTLLQASVADAEQRGELALKDAYSKRAELETALQKA
 KEDLARLLRDYQALMNVKLALDVEIATYRKLLEGEECRMSGECKSAVSISVVGGASIGGSGLGLGSGFC
 SSGSGSGFGFGGGIYGGSGSKITSSATITKRSR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_008475
ORF Size:	1575 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:	<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:	NM_008475.2 , NP_032501.2
RefSeq Size:	2147 bp
RefSeq ORF:	1578 bp
Locus ID:	16682
UniProt ID:	P07744
Cytogenetics:	15 57.13 cM