

Product datasheet for **RN212503**

Krt25 (NM_001008822) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt25 (NM_001008822) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Krt25
Synonyms:	Ka38; Krt25A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212503 representing NM_001008822
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCTCGCCTCTCCAGTGGATCCAAGAGGTCTATGCTCGTCCAGCACAGGATCGCTCAGGGCG
 CCAGCTTTGGTGTGCAATGCTTGTGGCGTAGCAGGCATTGGAAGTGGCTTCTCCTGCGCCTTTGGGAG
 CAGCTCCACAGGAGAAACACGGGTGTGGCCAACCTCTGTGCTGGCTTCACTGTGAATGAGGGGGCCCTC
 CTCTCCGGCAATGAGAAGGTGACCATGCAGAACCTCAATGACCGCCTGGCCTCTACCTGGATAATGTAC
 AAGCACTTCAGGAGGCCAACGCTGACCTGGAGCAGAAGATCAAGGGCTGGTATGAAAAATTTGGACCTGG
 GTCATGCCGCGGTCTCGATCATGACTACAGTAGATACTTCCCATCATTGATGATCTTAAAAACCAGATC
 ATCACTTCCACCACCAGCAATGCCAATGCCGTTCTGCAGATTGACAATGCCAGGCTCACGGCTGATGACT
 TCAGACTCAAGTACGAAAACGAGCTGGCCCTCCACCAGAGCGTAGAGGCTGACGTGAACGGGCTGCGCAG
 GTTTCTGGATGAAATCACCTGTGCCGACTGACCTGGAGATTCACTACGAAACCCTGAGTGAGGAACTG
 ACTTACCTCAAGAAGAACCACAAAGAGGAAATGCAGGCTCTGCAGTGCAGCCGAGGAGGTAATGTGAATG
 TGGAGATGAACGCAGCCCCGGCGTGGACCTCACCGTCTGCTGAACAACATGCGAGCCGAGTACGAGGC
 CCTGGCTGAGCAGAACCCGAGGGACGCCGAGGCCTGGTCCAAGAGAAGAGCGCTTTCGCTGCAGCAGCAG
 ATCACCGAGGACGTGGGCGCCACCACCTCAGCCAGGAATGAGCTGACGGAAATGAAACGTACGCTCCAAA
 CCTTGGAGATTGAACTACAGTCTCTCCTGGCCACGAAACTCTCTGGAGTGCTCCCTGACGGAGACCGA
 GGGCAACTACTGCACGCAGCTGGCTCAGATCCAGGCTCAGATCAGCGCCCTGGAGGAGCAGCTGCACCAG
 GTGAGGACGGAGACCGAGGGCCAGAAGCTGGAATATGAGCAGCTGCTGAACGTCAAGGCCACCTGGAGA
 AGGAGATCGAGACCTACTGCCTCCTCATAGGAGGAGACGAGGGGGCCTGTAAGTCTTCGAGTTACAAGTC
 TAAAGATTACACCTCTGGAACCGCGGAAACCAAGCAAAGATTCCCCCAAAGCCATAGTGGTTAAGAAA
 GTCCTAGAGGAGGTGGACCAACGCAGCAAGATTCTAACCCTAGGCTCCACTCCCTGGAAGAGAAATCTC
 AAAGCAAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001008822
- Insert Size:** 1341 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001008822.1](#), [NP_001008822.1](#)
RefSeq Size: 1341 bp
RefSeq ORF: 1341 bp
Locus ID: 303519
UniProt ID: [Q6IFX0](#)
Cytogenetics: 10q31
Gene Summary: Essential for the proper assembly of type I and type II keratin protein complexes and formation of keratin intermediate filaments in the inner root sheath (irs) (By similarity). Plays a role in the cytoskeleton organization (By similarity).[UniProtKB/Swiss-Prot Function]