

Product datasheet for **SC307302**

KRT28 (NM_181535) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT28 (NM_181535) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT28
Synonyms:	K25IRS4; KRT25D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307302 representing NM_181535.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTCTCTCCAATTTTCTAATGGATCCAGGCATGTTTGCTTAAGGTCTGGAGCTGGATCTGTGACACCC
CTCAATGGAGGTGCAGGCTTTGCAGGCAGCAGTGCATGTGGTGGCTCTGTTGCTGGAAGTGAATTTCC
TGTGCCTTGGGAGGGGGCTTGGGCAGTGTTCCTGGTGGGAGCCATGCTGGTGGCCCTTGAAATGCT
GCTTGTATTGGCTTTGCTGGAAGCGAAGGGGACTCCTCTCTGGAATGAGAAGGTGACCATGCAAAAT
CTTAATGACCGCTTGGCATCCTACCTGGATAATGTGCGAGCTCTGGAGGAGGCAAATGCTGAATTAGAG
AGAAAAATCAAGGTTGGTATGAAAAATACGGACCTGGATCTTGCCGTGGACTTGATCATGACTATAGC
AGATATCACCTAACAAATTGAGGATCTTAAGAATAAGATTATCTCCTCCACTACTAATGCTAATGTC
ATTCTGCAGATTGATAATGCCAGACTGGCTGCTGATGATTTCCAGGCTAAAGTATGAAAATGAGCTCACC
CTTCACCAAAACGTAGAGGCCGACATCAACGGATTACGGCGAGTCTGGACGAGCTGACGCTCTGCAGG
ACCGACCAGGAGCTGCAATATGAGTCTCTGAGTGAGGAGATGACATATCTCAAAAAGAACCACGAAGAG
GAGATGAAGGCTCTGCAGTGCAGCGGCTGGGGGCAACGTGAACGTGGAGATGAACGCGGCCCGGGGGTA
GACCTCGCGGTTTTGTTGAACAACATGCCAGCGGAGTACGAAGCCCTTGACAGAGCAGAACCACGAAGGAC
GCGGAGGCTGGTTCAATGAGAAGAGCGCTCGCTGCAGCAACAGATCTCCCACGACTCAGGCGCAGCC
ACTTTGCGCCGGAGCCAGCTCACCGAGATGAGGCGCACCTGCAGACCCTGGAGATCCAGCTGCAGTCC
CTGATGGCCACGAAACACTCCCTGGAGTCTCTTGACAGAGACCAGAGCAACTACTGTACGCAGCTG
GCGCAGATCCAGGCTCAGATCGGGGCCCTGGAGGAGCAGCTGCACCAGGTGAGAACCAGACCGAGGGC
CAGAAGCTGGAGTATGAGCATCTCCTCGATGTCAAAGTCCACTTGAAAAAGAAATTGAGACCTACTGC
CGCCTGATAGATGGAGATGGAAATTCATGCTCCAAATCAAAGGGCTTTGGATCAGGAAGCCCTGGGAAT
TCATCTAAAGATTTATCCAAAACACACTGGTAAAGACAGTGGTTGAAGAGCTAGATCAACGTGGTAAA
GTTCTTTTCATCAAGGATTCCTCATTGAAGAAAAGACATCTAAAATGACCAACGCAAGACAGAACAA
AGGGTTCCTTTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

Plasmid Map: □

ACCN: NM_181535

Insert Size: 1395 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_181535.3](#)

RefSeq Size: 1692 bp

RefSeq ORF: 1395 bp

Locus ID: 162605

UniProt ID: [Q7Z3Y7](#)

Cytogenetics: 17q21.2

MW: 50.6 kDa

Gene Summary: This gene encodes a member of the type I (acidic) keratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. The type I keratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2009]