

## Product datasheet for **SC103360**

### **KRT18P55 (AK054919) Human Untagged Clone**

#### Product data:

|                           |                        |
|---------------------------|------------------------|
| Product Type:             | Expression Plasmids    |
| Tag:                      | Tag Free               |
| Symbol:                   | KRT18P55               |
| Synonyms:                 | bK14H9.3; CTA-14H9.3   |
| Mammalian Cell Selection: | None                   |
| Vector:                   | <u>pCMV6-XL4</u>       |
| E. coli Selection:        | Ampicillin (100 ug/mL) |



**Fully Sequenced ORF:** >NCBI ORF sequence for AK054919, the custom clone sequence may differ by one or more nucleotides

```

AGATACCGGAGGCCTCTGCTGTGGCTGCCCACTGGCTGGGCCAGGCCCTGAAGCGGTGGCGAACGCTCTC
TTCCCTGCCCTACCTCGGTGACTGATGGCGGCGCGGCCTCTCCAGTCCGGACCTGCCGGCGTCGGG
TCTCCGGCCCAAGCCTGCCGGCCTGGACGAAACCCCGCGAGCAGCCTGGACGACGCGCTTTGGGT
GGCGGCGGGAGTAGCGTGCCGGAAGCATGGCGCCGCTCGAACGCCGCGCGCGGAGGGCGTTAGGGCA
TGGAGGGCCCGGAAGCGGCCTAGGGACGACGAGCAGGCTCGGCCGCTCTTCAGGCCACGGAGCCGCCA
GATCTGGGTCCCGGTGACCACTCTGTGCGCATTTGGGCGAGACCTACCTAGTCCTAACGACAACGGACAA
AGGCCTTAACGGGCCTGGGAGGTGAGCGAAGTCCCGAACGACGACGGGTGGAACGGTTAGCGGCGATCGG
GCGGTTGGTCTCCGTACTACCAGACCTTGCTGTCGGAAGAGACAAATGGTAGAATGACAGGCCACGTTTG
GCCCCGTGGAATGCCCTCCATCCTCTGGGAAGATTCACTGGCCGTTTACGGAAGGCCTGTGTATATAAT
ATGAAAAGTGCTCTCAACTCCACCCCAACCTTTTAAAGAAAACATTTGTCACATCTAGCCCTCTAG
ATGGAAGAGGTTGCCGACGTATGATAGAGTTAGAAAGTCACACATCTTGTAATTTCTATTTGTTTAA
AGAAATCATAGAAAATACATGTCTCCGAGTTGACTTTTGAAACTGAGTTGTTAGACGGCCTCTAGAA
GCGATACGTTACGTTTGTTCAGTGGGTAGATGACATGGAGCTCGAAGACCTGAGAAGGAAAAAAGAA
GGTTCTATGCTAGACTGGTCATATTAGAAGACATTTTCATATCTATCCATTGTTTGTGTGCATTGCG
TTCCTCACTACTATGTATGTAGTTGACAATGCTAAGCTTTTTGAAATGCTATTCTTTTAGATATTCT
GAAGTGCTGATATATGTTAAATTAGAGGTAGTAAACACATTTTGTAATATCTTTTGTACAATT
CATAGAAATGTTGTTTTTGGGGGAATGGCCAAATCACCTGTTGAGTAATACTCATTGTGTTTGTGCAG
TAGTTCAGGGGAGGAGAGAGGAGGGGAGGTGCAGAGAGCTCTATGCCATCCTGCTTACAGCGAGGCAAG
ATGAATCACTATGTCTGTGCATTTTGTATCTATGTATATAATGTACATAAAGGACAAACGAGTCCTA
ATTTACAACATCTAGTCTTCTGGATGTTAAAGAGGTTGCCAGTGATAACAAAACCTAGAGTTAGTAAAC
TAATATATTTGTACATTTGTTTTACAAGTCCTAGGAAAGACTGTCTTCTGAAAATTTGAGCATTCTTG
CCCACTGGGTGATGGAGATGGGAAGGTTCTAGGCCAGAATGTTACATTTGGAAGACTCTTTCAAATT
ATAACTGTTGTACATGTTTGCAGTTTATTCGAGACTGCTGTGTACATACATAGTGGACAAATTAACCTC
TTACTTGAAACATTTAGACTATCTAGATGTTTGAAGTGCCCGATGTATATTAATGTAGAGGTAGTAAA
ATACCAATTTGTAATATCTTTTGTCTAAAATTCATAGGAAATACTTTTGAAGTTGAATTGTGAAGCCA
CCTTTGTGAGCAGTATATTACTGTCTATACTTGCTCAATGGTTTAGAGGAGGTGGGAGGGAAGAAATGC
AAAAGATAATATGCTAGTGTGTTCACTTGGACATTTTCAGACACCATTTTCTGTATGTTTGTGCAT
TTTGTTTTGCTCTGTATATAGTGTATATAATGGACAAATAGTCTTAATTTTTAACATCTAGAGGTTGCC
AGTGTATGACAAAGTAGTAAATTAACATATTTGTATGCTTTGTGTTGAAATTCATAGGAAAACCTGTG
TTCTGTAATTGACTTTTGCATAGGAATTTGTTGAGCCATCTCTAAGCATTACACATGCGGTGACTTGTC
ACTGAATTGAAGGCAGAGAAGGAAAAAAGAAGGTTCTATGCTAGACTGGTCATATTTAGAAGACATTTT
CATATTCTATCCATTGTTTTGTGTGCAATCGCTTCTCACTACTATGTATGTAGTTGACAATGCTAAGCT
TTTTTGAAATGTCTATTCTTTTAGATATTCTGAAGTGTCTGATATATGTTAAATTAGAGGTAGTAAAA
CCACATTTTGAATATCTTTTGTACAATTCATAGAAATGTTGTTTTTGGGGGAATGGCCAAATCA
CCTGTTGAGTAATACTCATTGTGTTGTGTCAGTAGTTCAGGGGAGGAGAGAGG

```

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for AK054919 unedited</p> <pre> ACTATAGGGCGGCCGGAATTCGCACGAGGCGGGCCGCTCCTCCAGGCGCTCCAGGCCCT CCGGCCCCGGGTCGGCGGGTGAGCTAGGGGGCGCCCCGGGACAGGCCCGCCCTTGCCC TGCAGATACCGGAGGCCTCTGCTGTGGCTGCCCACTGGCTGGGCCAGGCCTTGAAGCGG TGGCGAACGTCTCTTCCCTACCTACCTCGGTGACTGATGGCGGCGGCGCCTCTCCAG TCCGGACCTGCGGCGGTGCGGTCTCCCGGCCAAGCCTGCCGGGCTGGACGAAACCC CCGCCGAGCAGCTGGACGACGCCCTTTGGGTGGCGCGGAGTAGCGTGCCGGGAAGC ATGGCGGCCCTCGAACGCCGCGCGGCGGAGGGCGTTAGGGCATGAGGGCCCCGGGAAGG CGGCCTAGGACGACGAGGCTCGGCCGCTCTTCAGGCCACGGAGCCGCCAGATCTGG GTCCCGGGTGACCACTCTGTGCCATTGGGCGAGACCTACCTAGTCCTAACGACAACGGA CAAAGGCCTTAACGGGCTGNGAGGTGAGCGAAGTCCGAACGACGACGGGTGGAACGGT TAGCGCGGATCGGGCGGTTGGTCTCCGTACTACCAGACCTTGCTGTCGGAAGAGACAAAT GGTAGAATGACAGGCCAGTGTGGCCCGTTGGAATGCCCTCCATCCTCTGGGAAGATTC ACTGGCCGTTNACGGAAGGCCTGTGTATATAATGAAAAAGCTGCTCTCAACTCCACCC CACCTTNTAATAGAAACATTNGCACATCTAGCCCTCTANAGNAAAAGAGGTGCCGACGAT GATAGAGTTAAAAGTCCACATCTTGAATT </pre> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ACCN:</b>                        | AK054919                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Insert Size:</b>                 | 2100 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>OTI Disclaimer:</b>              | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Components:</b>                  | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Note:</b>                        | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq:</b>                      | <a href="#">AK054919.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>                 | 2433 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq ORF:</b>                  | 2433 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Locus ID:</b>                    | 284085                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cytogenetics:</b>                | 17q11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |