

## Product datasheet for **SC122624**

### **KRTHA3B (KRT33B) (NM\_002279) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KRTHA3B (KRT33B) (NM_002279) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRTHA3B
Synonyms:	Ha-3II; HA3II; hHa3-II; K33B; KRTHA3A; KRTHA3B
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_002279 edited  
 GGAATCAGGTTTTGAAACTGACTTCCAGAGCTCCACTGCCTCCCTGCACCATGCCCTACA  
 ACTTCTGCCTGCCAGCCTGAGCTGCCGACCAGCTGCTCCTCCCGGCCCTGTGTGCCCC  
 CCAGCTGCCACGGCTACACCCTGCCCGGGGCTGCAACATCCCTGCCAATGTGAGCAACT  
 GCAACTGGTTCTGCGAGGGCTCCTTCAATGGCAGCGAGAAGGAGACTATGCAGTTCCTGA  
 ACGACCGCCTGGCCAGCTACCTGGAGAAGGTGCGTCAGCTGGAGCGGGACAACCGGGAGC  
 TGGAGAACCTCATCCGGGAGCGGTCTCAGCAGCAGGAGCCCTTGCTGTGCCCCAGCTACC  
 AGTCCTACTTCAAGACCATTGAGGAGCTCCAGCAGAAGATCCTGTGCAGCAAGTCTGAGA  
 ATGCCAGGCTGGTGGTGCAGATCGACAATGCCAAGCTGGCTGCAGATGACTTCAGAACCA  
 AGTACCAGACGGAGCAGTCCCTGCGGCAGCTGGTGGAGTCCGACATCAACAGCCTGCGCA  
 GGATTCTGGATGAGCTGACCCTGTGCAGGTCTGACCTGGAGGCCAGATGGAGTCCCTGA  
 AGGAGGAGCTGCTGTCCCTCAAGCAGAACCATGAGCAGGAAGTCAACACCTTGGCTGCC  
 AGCTTGGAGACCGCCTCAACGTGGAGGTGGACGCTGCTCCCGCTGTGGACCTGAACCAGG  
 TCCTGAACGAGACCAGGAATCAGTATGAGGCCCTGGTGGAAACCAACCGCAGGGAAGTGG  
 AGCAATGGTTCGCCACGCAGACCGAGGAGCTGAACAAGCAGGTGGTATCCAGCTCGGAGC  
 AGCTGCAGTCTACCAGCGGAGATCATCGAGCTGAGACGCACAGTCAATGCCCTGGAGA  
 TCGAGCTGCAGGCCCAGCACAACTGCGATACTCTCTGAAAAACACGCTGACAGAGAGCG  
 AGGCCCGCTACAGCTCCCAGCTGTCCCAGGTGCAGAGCCTGATACCAACGTGGAGTCCC  
 AGCTGGCGGAGATCCGCAGTGACCTGGAGCGGCAGAACCAGGAGTATCAGGTGCTGCTGG  
 ACGTGGCGGGCGCGGTGGAGTGTGAGATCAACACATACCGGAGCCTGCTGGAGAGCGAGG  
 ACTGCAAGCTGCCCTCAACCCCTGCGCCACCACCAATGCATGTGAAAAGCCCATTGGAT  
 CCTGTGCACCAATCCTTGTGGTCTCGTTCCTGCTGGGCTTGAACACCTTTGGGT  
 ACTAGATACCTTGGGGCCAGCAGAAGTATAGCATGAAGACAGAAGTACCATCGGTGGCC  
 AGTTCTGGCTCTCTGACAACCATCAGCCACCGGACCCACCCCGAGGCATCACCACAAAT  
 CATGGTCTGGAAGGAGAACAATGCCACGCTTTGGGTCTGACTCTGAGCCTAGGCTAC  
 TTGATCCTCCTACCCCCAGGTCCCTCCTGTAGTCTGAGTCTGAGTCTGATGGTCAGAGG  
 TTGGAGCTGTGACAGTGGCATAAGAGGTGTTTTGTTCTCTGCTGCTTCTACCTTTATT  
 GCAGTTCCCAAATCGCCTAATAAACTTCTCTTCAAAGCAAAAAAAAAAAAAAAAAAAAA  
 AA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_002279 unedited  
 NGAACGTCAAATTGTATACACTATAAGGCGGCCGCAATCGCACGAGGGAATCAGGTTTT  
 GAAACTGACTTCCAAAGCTCCACTGCCTCCCTGCACCATGCCCTACAACCTTCTGCCTGCC  
 CAGCCTGAGCTGCCGACCAGCTGCTCCTCCCGGCCCTGTGTGCCCCCAGCTGCCACGG  
 CTACACCCTGCCCGGGGCTGCAACATCCCTGCCAATGTGAGCAACTGCAACTGGTCTG  
 CGAGGGCTCCTTCAATGGCAGCGAGAAGGAGACTATGCAGTTCCTGAACGACCGCCTGGC  
 CAGCTACCTGGAGAAGGTGCGTCAGCTGGAGCGGGACAACGCGGAGCTGGAGAACCCTCAT  
 CCGGGAGCGGTCTCAGCAGCAGGAGCCCTTGCTGTGCCCAAGTACCAGTCTACTTCAA  
 GACCATTGAGGAGCTCCAGCAGAAGATCCTGTGCAGCAAGTCTGAGAATGCCAGGCTGGT  
 GGTGCAGATCGACAATGCCAAGCTGGCTGCAGATGACTTCAGAACCAAGTACCAGACGGA  
 GCAGTCCCTGCGGCAGCTGGTGGAGTCCGACATCAACAGCCTGCGCAGGATTCTGGATGA  
 GCTGACCCTGTGCAGGTCTGACCTGGAGGCCAGATGGAGTCCCTGAAGGAGGAGCTGCT  
 GTCCTCAAGCAGAACCATGAGCAGGAAGTCAACACCTTGGCTGCCAGCTTGGAGACCG  
 CCTCAACGTGGAGGTGGACGCTGCTCCCGCTGTGGACCTGAACCAGGTCTGAACGAGAC  
 CAGGAATCAGTATGAGGCCCTGGTGGAAACCACCGCAGGGAAGTGGAGCAATGGTCCCC  
 ACGCAGACCGCAGAGCTGAACAAAGCAGTGGTATCCAGCTCGGAGCAGCTGCAGTCCCT

**Restriction Sites:** Please inquire

**ACCN:** NM\_002279

**Insert Size:** 1631 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>RefSeq:</b>	<a href="#">NM_002279.3</a> , <a href="#">NP_002270.1</a>
<b>RefSeq Size:</b>	1621 bp
<b>RefSeq ORF:</b>	1215 bp
<b>Locus ID:</b>	3884
<b>UniProt ID:</b>	<a href="#">Q14525</a>
<b>Cytogenetics:</b>	17q21.2
<b>Gene Summary:</b>	This gene encodes a member of the keratin gene family. This gene is one of multiple type I hair keratin genes that are clustered in a region of chromosome 17q12-q21 and have the same direction of transcription. As a type I hair keratin, the encoded protein is an acidic protein which heterodimerizes with type II keratins to form hair and nails. There are two isoforms of this protein, encoded by two separate genes, keratin 33A and keratin 33B. [provided by RefSeq, May 2012]