

## Product datasheet for **SC335078**

### KRT23 (NM\_001282433) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KRT23 (NM_001282433) Human Untagged Clone
Tag:	Tag Free
Symbol:	KRT23
Synonyms:	CK23; HAIK1; K23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282433, the custom clone sequence may differ by one or more nucleotides

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ATGACCAATGCTCAGATTATTCTTCTCATTGACAATGCCAGGATGGCAGTGGATGACTTCAACCTCAAGT
ATGAAAATGAACACTCCTTTAAGAAAGACTTGGAAATTGAAGTCGAGGGCCTCCGAAGGACCTTAGACAA
CCTGACCATTGTCACAACAGACCTAGAACAGGAGGTGGAAGGAATGAGGAAAGAGCTCATTCTCATGAAG
AAGCACCATGAGCAGGAAATGGAGAAGCATCATGTCCAAGTACTTCAATGTCAATGTGAAGGTGGATA
CAGGTCCCAGGGAAGATCTGATTAAGGTCCTGGAGGATATGAGACAAGAATATGAGCTTATAATAAAGAA
GAAGCATCGAGACTTGGACTTGGTATAAAGAACAGTCTGCAGCCATGTCCAGGAGGCAGCCAGTCCA
GCCACTGTGCAGAGCAGACAAGGTGACATCCACGAACTGAAGCGCACATTCCAGGCCCTGGAGATTGACC
TGCAGACACAGTACAGCACGAAATCTGCTTTGGAAAACATGTTATCCGAGACCCAGTCTCGGTACTCCTG
CAAGCTCCAGGACATGCAAGAGATCATCTCCACTATGAGGAGGAACTGACGCAGCTACGCCATGAACTG
GAGCGGCAGAACAATGAATACCAAGTGCTGCTGGGCATCAAAACCCACCTGGAGAAGGAAATCACCACGT
ACCGACGGCTCCTGGAGGGAGAGAGTGAAGGGACACGGGAAGAATCAAAGTCGAGCATGAAAGTGTCTGC
AACTCAAAGATCAAGGCCATAACCCAGGAGACCATCAACGGAAGATTAGTTCTTTGTCAAGTGAATGAA
ATCCAAAAGCACGCA TGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282433
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).



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<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>	<u>NM_001282433.1, NP_001269362.1</u>
<b>RefSeq Size:</b>	1700 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	25984
<b>UniProt ID:</b>	<u>Q9C075</u>
<b>Cytogenetics:</b>	17q21.2
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and has multiple coding region differences, compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (2) with a shorter N-terminus, compared to isoform 1.</p>