

## Product datasheet for **SC119878**

### **KEL (NM\_000420) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KEL (NM_000420) Human Untagged Clone
Tag:	Tag Free
Symbol:	KEL
Synonyms:	CD238; ECE3; Kell
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_000420, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGGTGGGGACCAAAGTGAGGAAGAGCCGAGGGAACGCAGCCAGGCAGGTGGAATGGGAAGTCTCT
GGAGCCAAGAGAGCACTCCAGAAGAGAGGCTGCCCGTGGAAAGGGAGCAGGCCATGGGCAGTGGCCAGGCG
GGTGCTGACAGCTATCCTGATTTTGGCCCTGCTCCTTTGTTTTCTGTGCTTTTGTCTACAACCTCCAG
AACTGTGGCCCTCGCCCTGTGAGACATCTGTGTGTTTGGATCTCCGGGATCATTACCTGGCCTCTGGGA
ACACAAGTGTGGCCCTGCACCGACTTCTTCAGCTTTGCCTGTGGAAGGGCCAAAGAGACCAATAATTC
TTTTCAGGAGCTTGCCACAAAGAACAAAACCGACTTCGGAGAATACTGGAGGTCCAGAATTCCTGGCAC
CCAGGCTCTGGGGAGGAGAAAGCCTTCCAGTCTACAACCTCTGCATGGATACACTTGCCATTGAAGCTG
CAGGGACTGGTCCCCTCAGACAAGTTATTGAGGAGCTTGAGGCTGGCGCATCTCTGGTAAATGGACTTC
CTTAAACTTTAACCGAACGCTGAGACTTCTGATGAGTCAGTATGGCCATTTCCCTTTCTCAGAGCCTAC
CTAGGACCTCATCTGCCTCTCCACACACACCAGTCATCCAGATAGACCAGCCAGAGTTTGTATGTTCCCC
TCAAGCAAGATCAAGAACAGAAGATCTATGCCAGATCTTTCGGGAATACCTGACTTACCTGAATCAGCT
GGGAACCTTGCTGGGAGGAGACCCAAGCAAGGTGCAAGAACAACCTTCTCTGTCAATCTCCATCACTTCA
CGGCTGTTCCAGTTTCTGAGGCCCTGGAGCAGCGGGCCAGGGCAAGCTCTTCCAGATGGTCACTA
TCGACCAGCTCAAGGAAATGGCCCCCGCATCGACTGGTTGTCCTGCTTGAAGCGACATTCACACCGAT
GTCCCTGAGCCCTTCTCAGTCCCTCGTGGTCCATGACGTGGAATATTTGAAAACATGTCACAACCTGGT
GAGGAGATGCTGCTAAAGCAGAGGGACTTTCTGCAGAGCCACATGATCTTAGGGCTGGTGGTGACCCCTT
CTCCAGCCCTGGACAGTCAATTCAGGAGGCACGCAGAAAGCTCAGCCAGAACTGCGGGAACTGACAGA
GCAACCCCATGCCTGCCGCCACGATGGATGAAGTGGTGGAGGAGACAGGCAGCTTCTTCGAGCCC
ACGCTGGCGGCTTTGTTTGTTCGTGAGGCCCTTTGGCCGAGCACCCGAAGTGTGCCATGAAATTTCA
CTGCGATCCGGGATGCCCTCATCACTCGCCTCAGAAACCTTCCCTGGATGAATGAGGAGACCCAGAACAT
GGCCAGGACAAGGTTGCTCAACTGCAGGTGGAGATGGGGCTTTCAGAATGGGCCCTGAAGCCAGAGCTG
GCCCGACAAGAATAACAACGATATACAGCTTGGATCGAGCTTCTGCAGTCTGTCTGAGCTGTGTCCGGT
CCCTCCGAGCTAGAATTGTCCAGAGCTTCTGCAGCCTCACCCCAACACAGGTGGAAGGTGTCCCTTG
GGACGTCAATGCTTACTATTTCGGTATCTGACCATGTGGTGTAGTCTTTCAGCTGGACTCTCCAACCCCA
TTCTTCCACCCTGGCTATCCCAGAGCCGTAACCTTTGGCGCTGCTGGCAGCATCATGGCCACGAGCTGT
TGCACATCTTCTACCAGCTTACTGCCTGGGGGCTGCCTGCCTGTGACAACCATGCCCTCCAGGAAGC
TCACCTGTGCTGAAGCGCCATTATGCTGCCTTCCATTACCTAGCAGAACCTCCTTCAATGACTCCCTC
ACATTTAGAGAATGCTGCAGACGTTGGGGGGCTAGCCATCGCGCTGCAGGCATACAGCAAGAGGCTGT
TACGGCACCATGGGGAGACTGTCTGCCAGCCTGGACCTCAGCCCCAGCAGATCTTTTTCGAAGCTA
TGCCAGGTGATGTGTAGGAAGCCAGCCCCAGGACTCTCACGACACTCACAGCCTCCACACCTCCGA
GTCCACGGGCCCTCAGCAGCACCCAGCCTTTGCCAGGTATTTCCGCTGTGCACGTGGTCTCTTTGA
ACCCCTCCAGCCGCTGCCAGCTCTGGTAA
    
```

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3315\\_a04.zip](https://cdn.origene.com/chromatograms/ja3315_a04.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_000420

**Insert Size:** 2560 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\\_000420.2](#), [NP\\_000411.1](#)

**RefSeq Size:** 2562 bp

**RefSeq ORF:** 2199 bp

**Locus ID:** 3792

**UniProt ID:** [P23276](#)

**Cytogenetics:** 7q34

**Domains:** Peptidase\_M13

**Protein Families:** Druggable Genome, Protease, Transmembrane

**Gene Summary:** This gene encodes a type II transmembrane glycoprotein that is the highly polymorphic Kell blood group antigen. The Kell glycoprotein links via a single disulfide bond to the XK membrane protein that carries the Kx antigen. The encoded protein contains sequence and structural similarity to members of the neprilysin (M13) family of zinc endopeptidases. [provided by RefSeq, Jul 2008]