

## Product datasheet for **SC331023**

### MOK protein kinase (MOK) (NM\_001272011) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MOK protein kinase (MOK) (NM\_001272011) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** MOK protein kinase  
**Synonyms:** RAGE; RAGE-1; RAGE1; STK30  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331023 representing NM\_001272011.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGAAGAACTATAAAGCAATTGGCAAAATAGGAGAGGGAACGTTTTCTGAAGTTATGAAGATGCAAAGC
CTGAGAGATGGAACTACTATGCATGTAACAAATGAAGCAGCGCTTTGAAAGTGACAGAAAATCTGGT
TCTCTTGCACTAATATGTGAACCTATGGACATGAATATTTATGAGCTAATACGAGGGAGAAGATACCCA
TTATCAGAAAAAAAATATGCACTATATGTACCAGTTATGTAAGTCCCTGGATCATATTCACAGAAAT
GGAATATTTACAGAGATGTAAAACCAGAAAATATACTAATAAAGCAGGATGTCCTGAAATTAGGGGAC
TTTGGCTCCTGCCGGAGTGTCTATTCCAAGCAGCCGTACACGGAATACATCTCCACCCGCTGGTACCGG
GCCCGGAGTGTCTCCTCACTGATGGGTTCTACACGTACAAGATGGACCTGTGGAGCGCCGGCTGTGTG
TTCTACGAGATCGCCAGTCTGCAGCCCCCTTTCTGGAGTAAATGAACTGGACCAAATCTCAAAAATC
CACGATGTCATCGGCACACCCGCTCAGAAGATCCTCACCAAGTTCAAACAGTCGAGAGCTATGAATTTT
GATTTTCTTTTAAAAAGGGATCAGGAATACCTCTACTAACAACCAATTTGTCCCAACAATGCCTCTCC
CTCCTGCACGCAATGGTGGCCTATGATCCCGATGAGAGAAATCGCCGCCACCAGGCCCTGCAGCACCCC
TACTTCCAAGAACAGAGGAAAACAGAGAAGCGGGCTCTGGGCAGCCACAGAAAAGCTGGCTTTCCGGAG
CACCTGTGGCACCGGAACCACTCAGTAACAGCTGCCAGATTTCCAAGGAGGGCAGAAAGCAGAAACAG
TCCCTAAAGCAAGAGGAGGACCGTCCCAAGAGACGAGGACCGGCCTATGTCATGGAAGTGCCTCAACTA
AAGCTTTCCGGGAGTGGTCAGACTGTCTTACTCCAGCCCCACGCTGCAGTCCGTGCTTGATCTGGA
ACAAATGGAAGAGTGCCGGTGTGAGACCTTGAAGTGCATCCCTGCGAGCAAGAAGACAGATCCGCAG
AAGGACCTTAAGCCTGCCCGCAGCAGTGTGCGCTGCCACCATAGTGCGGAAAGGCGGAAGATAA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001272011  
**Insert Size:** 1170 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).



[View online »](#)

|                               |   |
|-------------------------------|---|
| <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_001272011.1</u>   |
| <b>RefSeq Size:</b>           | 1888 bp   |
| <b>RefSeq ORF:</b>            | 1170 bp   |
| <b>Locus ID:</b>              | 5891  |
| <b>UniProt ID:</b>            | <u>Q9UQ07</u>   |
| <b>Cytogenetics:</b>          | 14q32.31  |
| <b>Protein Families:</b>      | Druggable Genome, Protein Kinase  |
| <b>MW:</b>                    | 44.4 kDa  |
| <b>Gene Summary:</b>          | <p>This gene belongs to the MAP kinase superfamily. The gene was found to be regulated by caudal type transcription factor 2 (Cdx2) protein. The encoded protein, which is localized to epithelial cells in the intestinal crypt, may play a role in growth arrest and differentiation of cells of upper crypt and lower villus regions. Multiple alternatively spliced transcript variants encoding different isoforms have been observed for this gene. [provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. It encodes isoform 2 which has a shorter N-terminus compared to isoform 1.</p> |