

## Product datasheet for **SC100253**

### **KIAA0090 (EMC1) (NM\_015047) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KIAA0090 (EMC1) (NM_015047) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA0090
Synonyms:	CAVIPMR; KIAA0090
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\_015047, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCTGAGTGGGCTTCTCGTTTCTGGCTTTGGGCTACGCTGCTGATTCTCGCGCCGCGGTCTACG
AAGACCAAGTGGCAAGTTTATTGGAGACAGCAATATGTTGGGAAGGTCAAGTTTGCCTCCTTGAATT
TTCCCTGGATCCAAGAAGTTGGTTGTAGCCACAGAGAAGAATGTGATTGCAGCATTAAATTCCTGAAT
GGGAGATCTTGTGGCGCCATGTTGACAAGGGCACGGCAGAAGGGGCTGTGGATGCCATGCTGCTGCACG
GACAGGATGTGATCACTGTGTCCAATGGAGGCCGAATCATGCGTTCTGGGAGACTAACATCGGGGGCT
GAACTGGGAGATAACCTGGACAGTGGCAGTTTCCAGGCAGTTGGGCTGGTTGGCCTGCAGGAGTCTGTA
AGGTACATCGCAGTCTGAAGAAGACTACACTTGCCTCCATCACCTCTCCAGTGGGCACCTCAAGTGGG
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CAGCAGGTTAGGGTTTCAACTCCGTGGCTGCAGCACCTGTCTGGAGCCTGTGGTGTGGTGGATGAGGCTG
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GCTTTGGTGCAGACAGAGGATCATCTGCTACTTTTCTGCAGCAGTTGGCAGGAAAGTGGTGTGTTGGA
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CTACCAATGTCAAGCCAGACTCCTCTTAAACTGATGGTCCAGAGAACTACTGCTCATTTCCTCCATC
CCCCACAGTGCACCCTGCTGGTGAAGGACAAGGAGTCGGGAATGAGTTCTCTGTATGCTTCAATCCAT
TTTTGGGAAGTGGAGTCAGGTAGCTCCCCAGTCTGAAGCGCCCATCTTGCAGTCTTGTCTTCTCCCA
GTCATGGATCAAGACTACGCCAAGGTGTTGCTGTTGATAGATGATGAATACAAGGTCACAGCTTTCCAG
CCTCGGAATGTCTTGGCAGAGCTACATGAGCTTGCCTTCCATCTTCTTCTATTTGGTGGATGCAGA
GCAGGGACGGCTGTGTGGATATCGGCTTCAAAGGATCTCACCCTGAGCTGAGTTGGGAGCTGACCATT
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CACTCCTCTGTGAGAAGAAAGCCAAAGGCCCTGTCCATATCGTGCATTACAGAGAACTGGTGGTGTACC
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CCGTCTCCATCAGTGCCATGGAGGCCACCATACCCGAACGGGGCATCACCAGCCGACACCTGCTGATTG
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AGAACAAGCAGAGAGGAGAAGTAAATCCCGTATTCTCCAGATGTACAGATACACGCAGAGCGATTATC
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TGGTTGTGGCCTATGGTTTGGACATTTACCAAACCTCGAGTCTACCCATCCAAGCAGTTTGGCTTGTAA
GGATGACTATGACTACGTGTTAATCAGCAGCGTCTCTTTGGCCTGGTTTTTGGCACCATGATCACTAAG
AGACTGGCACAGGTGAAGCTCCTGAATCGGGCCTGGCGATAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_015047 unedited TATAGGCGGGCCGCAATTCGCACGAGGCCTCGTGCCGAATTCGGCACGAGGCATGCGCT CGCATCATGGCGGCTGAGTGGGCTTCTCGTTTCTGGCTTTGGGCTACGCTGCTGATTCT GCGGCCGCGGTCTACGAAGACCAAGTGGGCAAGTTTGATTGGAGACAGCAATATGTTGGG AAGGTCAAGTTTGCTCCTTGAATTTCCCTGGATCCAAGAAGTTGGTTGTAGCCACA GAGAAGAATGTGATTGCAGCATTAAATCCCGAAGTGGGAGATCTTGTGGCGCCATGTT GACAAGGGCACGGCAGAGGGGCTGTGGATGCCATGCTGCTGCACGGACAGGATGTGATC ACTGTGTCCAATGGAGGCCGAATCATGCGTTCCTGGGAGACTAACATCGGGGGCCTGAAC TGGGAGATAACCCTGGACAGTGGCAGTTTCCAGGCACTTGGGCTGGTTGGCCTGCAGGAG TCTGTAAGGTACATCGCAGTCTGAAGAAGACTACACTTGCCTCCATCACCTCTCCAGT GGGCACCTCAAGTGGGTGGAACATCTCCAGAAAGTGACAGCATCCACTACCAGATGGTG TATTCTTACGGCTCTGGGTGGTGTGGGCCCTCGGAGTTGTTCCCTTACGCCATGTGAAC ATTGTCCAGTTTAAATGTGAAGATGGAGAGATTGTTACAGCAGGTTAGGGTTTCAACTCCG TGGCTGCAGCACCTGTCTGGANCCTGTGGTGTGGTGGATGAAGCTGTNCTGGTGTCTCT GACCCGAAGTACGTTCCCTCCAACTTTGGCTCTGNAGACCGAATGGGAGTTGAGACAG ACCCACTGCAGTCTTTCGACTAAATTTGAAGTGGATTCAACCCCGGGTCTGCCTACCC ANCCN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015047
<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>	<u><a href="#">NM_015047.1</a></u> , <u><a href="#">NP_055862.1</a></u>
<b>RefSeq Size:</b>	4253 bp
<b>RefSeq ORF:</b>	2982 bp
<b>Locus ID:</b>	23065
<b>UniProt ID:</b>	<u><a href="#">Q8N766</a></u>
<b>Cytogenetics:</b>	1p36.13
<b>Domains:</b>	PQQ

**Gene Summary:**

This gene encodes a single-pass type I transmembrane protein, which is a subunit of the endoplasmic reticulum membrane protein complex (EMC). Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2012]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.