

Product datasheet for **SC333054**

KIAA0090 (EMC1) (NM_001271428) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0090 (EMC1) (NM_001271428) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA0090
Synonyms:	CAVIPMR; KIAA0090
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC333054 representing NM_001271428.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCGGCTGAGTGGGCTTCTCGTTTCTGGCTTTGGGCTACGCTGCTGATTCTGCGGCCGCGGTCTAC
 GAAGACCAAGTGGGCAAGTTTGATTGGAGACAGCAATATGTTGGGAAGGTCAAGTTTGCTCCTTGGA
 TTTTCCCTGGATCCAAGAAGTTGGTTGTAGCCACAGAGAAGAATGTGATTGCAGCATTAAATCCCCGA
 ACTGGGAGATCTTGTGGCGCATGTTGACAAGGACGCGCAGAAGGGGCTGTGGATGCCATGCTGCTG
 CACGGACAGGATGTGATCACTGTGTCCAATGGAGGCCGAATCATGCGTTCTGGGAGACTAACATCGGG
 GGCTGAACTGGGAGATAACCTGGACAGTGGCAGTTTCCAGGCACTTGGGCTGTTGGCTGCAGGAG
 TCTGTAAGGTACATCGCAGTCTGAAGAAGACTACACTTGCCTCCATCACCTCTCCAGTGGGCACCTC
 AAGTGGGTGGAACATCTCCAGAAAGTGACAGCATCCACTACCAGATGGTGTATTCTTACGGCTCTGGG
 GTGGTGTGGGCCCTCGGAGTTGTTCCCTTCAGCCATGTGAACATTGTCAAGTTTAAATGTGAAGATGGA
 GAGATTGTTGAGCAGTTAGGGTTCACTCCGTGGCTGCAGCACCTGTCTGGAGCCTGTGGTGTGGTG
 GATGAGGCTGCTGCTGTGCTGACCCGAGCTCACGTTCCCTCCAACTTTGGCTCTGGAGACGGAA
 TGGGAGTTGAGACAGATCCCACTGCAGTCTCTCGACTTAGAATTTGGAAGTGGATTCCAACCCCGGCTC
 CTGCTACCCAGCCCAACCCAGTGGACGCTTCCCGGGCCAGTTCTTCTGCACTTGTCCCAAGCCAC
 TATGCTCTGCTGCAGTACCATTATGGAACGCTGAGTTTGCTTAAAACTTCCACAGACTGCCCTAGTG
 AGCTTTGCCACCACTGGGAGAAGACGGTGGCTGCAGTCATGGCCTGTGGAATGAAGTGCAGAAAAGT
 AGCAGTTCTGAAGATGGGTCAATGGGGAGCTTTTCGGAGAAGTCTAGTTCAAAGGACTCTCTGGCTTGC
 TTCAATCAGACCTACACCATTAACTATACTCGTGGAGACAGGTCGGCGGCTGTGACACCCAGATA
 ACATTTAGCCTGGAACAGAGCGGCACTCGGCTGAGCGGCTGTATATCCAGGTGTTCTTGAAGAAGGAT
 GACTCAGTGGGCTACCGGGCTTTGGTGCAGACAGAGGATCATCTGCTACTTTTCTGCAGCAGTTGGGG
 AAGGTGGTGTGTGGAGCCGTGAGGAGTCCCTGGCAGAAGTGGTGTGCTAGAGATGGTGGACCTCCCC
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 CTGAAACGCTCTCGTCTCAGCTTATCCTGCTGCAAGCATGGAAGTCCACCTCTGGAAAATGTTTTAT
 GATGCTCGGAAGCCCGGAGTCAGATTAAGAATGAGATCAACATTGACACCTGGCCAGAGATGAATTC
 AACCTCCAGAAGATGATGGTGTGGTAACAGCCTCAGGCAAGCTTTTGGCATTGAGAGCAGCTCTGGC
 ACCATCTGTGGAACAGTATCTACCAATGTCAAGCCAGACTCCTCTTAACTGATGGTCCAGAGA
 ACTACTGCTCATTTCCCCATCCCCACAGTGCACCTGCTGGTGAAGGACAAGGAGTCGGAATGAGT
 TCTCTGTATGTCTCAATCCATTTTGGGAAGTGGAGTCAGGTAGCTCCCCAGTGTGAAGCGCCCC
 ATCTTGAGTCTTGTCTCTCCAGTCATGGATCAAGACTACGCCAAGGTGTTGCTGTTGATAGATGAT
 GAATACAAGGTACAGCTTTTCCAGCCACTCGGAATGTCTTGCAGAGCTACATGAGCTTCCCCCTTCC
 ATCTTCTTCTATTTGGTGGATGCAGAGCAGGGACGGCTGTGTGGATATCGGCTTCGAAAGGATCTCACC
 ACTGAGCTGAGTTGGGAGCTGACCATCCCCCAGAAGTACAGCGGATCGTCAAGGTGAAGGGGAAACGC
 AGCAGTGAGCAGCTTCAATCCCAGGGCCGTGTGATGGGGGACCGCAGTGTGCTCTACAAGAGCCTGAAC
 CCCAACCTGTGGCCGTGGTGACAGAGACACAGACGCGCACCATGAGCGCACCTTTATTGGCATCTTC
 CTCATTGATGGCGTCACTGGGCGTATCATTCACTCCTCTGTGCAGAAGAAAGCCAAAGGCCCTGTCCAT
 ATCGTGCATTGAGAACTGGGTGGTGTACCACTACTGGAACACCAAGGCTCGGCGCAACGAGTTTACC
 GTACTGGAGCTCTATGAGGGCACTGAGCAATAACAACGCCACCGCTTCACTCCCTGGACCGCCCCAG
 CTGCCCCAGGTCTCCAGCAGTCTATATCTTCCCGTCTCCATCAGTGCCATGGAGGCCACCATCACC
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 GCTTTGCTGGATCCCCGCGCCCGGAGATCCCAACAGAAAGCAGAGAGGAGAAGTAAATCCCGTAT
 TCTCCAGATGTACAGATACAGCAGAGCGATTCACTATAACCAGACAGTTTCTCGAATGCGAGGT
 ATCTACAGAGCTCCCTCGGGTCTGGAGTCACTTGTGTTGGTGTGGCCTATGTTTGGACATTTACCAA
 ACTCGAGTCTACCATCCAAGCAGTTTGACGTTCTGAAGGATGACTATGACTACGTGTTAATCAGCAGC
 GTCCTCTTTGGCCTGGTTTTTGGCACCATGATCACTAAGAGACTGGCACAGGTGAAGCTCCTGAATCGG
 GCCTGGCGATAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001271428

Insert Size:	2979 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:	<u>NM_001271428.1</u>
RefSeq Size:	6687 bp
RefSeq ORF:	2979 bp
Locus ID:	23065
UniProt ID:	<u>Q8N766</u>
Cytogenetics:	1p36.13
MW:	111.7 kDa
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 (3) uses an alternate in-frame splice site in the central region, compared to variant 1. The resulting isoform (2) lacks an internal aa, compared to 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.