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Product datasheet for SC332415

MEGF10 (NM_001256545) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: MEGF10 (NM_001256545) Human Untagged Clone

Tag: Tag Free

Symbol: MEGF10

Synonyms: EMARDD; SR-F3

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332415 representing NM_001256545.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGTTATTTCTTTGAACTCATGCCTGAGCTTTATTTGTTTATTGTTATGCCACTGGATTGGGACAGCA
TCACCTCTGAATCTTGAAGACCCTAATGTGTGTAGCCACTGGGAAAGCTACTCAGTGACTGTGCAAGAG
TCATACCCACATCCCTTTGATCAAATTTACTACACGAGCTGCACTGACATTCTAAACTGGTTTAAATGC
ACGCGGCACAGAGTCAGCTATCGGACAGCCTATCGACATGGGGAGAAGACTATGTATAGGCGCAAGTCT
CAGTGTTGTCCTGGATTTTATGAAAGCGGGGAAATGTGTGTCCCCCACTGTGCTGATAAATGTGTCCAT
GGTCGCTGTATTGCTCCAAACACCTGTCAGTGTGAGCCTGGCTGGGGAGGGACCAACTGCTCCAGTGCC
TGCGATGGTGATCACTGGGGTCCCCACTGCACCAGCCGGTGCCAGTGCAAAAATGGGGCTCTGTGCAAC
CCCATCACCGGGGCTTGCCACTGTGCTGCGGGCTTCCGGGGCTGGCGCTGCGAGGACCGCTGTGAGCAG
GGCACCTATGGTAACGACTGTCATCAGAGATGCCAGTGCCAGAATGGAGCCACCTGCGACCACGTCACG
GGGGAATGCCGCTGCCCACCAGGATACACCGGAGCCTTCTGTGAGGATCTTTGTCCTCCTGGTAAACAT
GGTCCACAGTGTGAGCAGAGATGCCCTTGTCAAAATGGAGGAGTGTGTCATCACGTCACTGGAGAATGC
TCTTGCCCTTCTGGCTGGATGGGCACAGTGTGTGGTCAGCCTTGCCCCGAGGGTCGCTTTGGAAAGAAC
TGTTCCCAAGAATGCCAGTGCCATAATGGAGGGACGTGTGATGCTGCCACAGGCCAATGTCATTGCAGT
CCAGGATACACAGGGGAACGGTGCCAGGATGAGTGTCCTGTTGGGACCTATGGCGTTCTCTGTGCTGAG
ACCTGCCAGTGTGTCAACGGAGGGAAGTGTTACCACGTGAGCGGCGCATGCCTCTGTGAAGCAGGCTTT
GCTGGCGAGCGCTGCGAAGCACGCCTGTGTCCTGAGGGGCTCTACGGCATCAAATGTGACAAACGGTGT
CCCTGCCACCTGGAAAACACTCATAGCTGTCACCCCATGTCTGGAGAGTGTGCCTGCAAGCCGGGCTGG
TCAGGACTCTACTGTAATGAGACATGTTCTCCTGGATTCTACGGGGAAGCTTGCCAGCAGATCTGCAGC
TGCCAAAATGGGGCAGACTGTGACAGTGTGACTGGAAAGTGCACCTGTGCCCCAGGATTCAAAGGAATT
GACTGCTCTACCCCATGCCCTCTGGGAACCTATGGGATAAACTGTTCCTCTCGCTGTGGCTGTAAAAAT
GATGCAGTCTGCTCTCCTGTGGACGGGTCTTGTACTTGCAAGGCAGGCTGGCACGGGGTGGACTGCTCC
ATCAGATGTCCCAGTGGCACATGGGGCTTTGGCTGTAACTTAACATGCCAGTGCCTCAACGGGGGAGCC
TGCAACACCCTGGACGGGACCTGCACGTGTGCACCTGGATGGCGCGGGGAGAAATGCGAACTTCCCTGC
CAGGATGGCACGTACGGGCTGAACTGTGCTGAGCGCTGCGACTGCAGCCACGCAGATGGCTGCCACCCT
ACCACGGGCCATTGCCGCTGCCTCCCCGGATGGTCAGGTGTCCACTGTGACAGCGTGTGTGCTGAGGGA
CGCTGGGGCCCCAACTGCTCCCTGCCCTGCTACTGTAAAAATGGGGCTTCATGCTCCCCTGATGATGGC
ATCTGCGAGTGTGCACCAGGCTTCCGAGGCACCACTTGTCAGAGGATCTGCTCCCCTGGTTTTTATGGG
CATCGCTGCAGCCAGACATGCCCACAGTGCGTTCACAGCAGCGGGCCCTGCCACCACATCACCGGCCTG

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TGTGACTGCTTGCCTGGCTTCACAGGCGCCCTCTGCAATGAAGTGTGTCCCAGTGGCAGATTTGGGAAA
AACTGTGCAGGAATTTGTACCTGCACCAACAACGGAACCTGTAACCCCATTGACAGATCTTGTCAGTGT
TACCCCGGTTGGATTGGCAGTGACTGCTCTCAACCATGTCCACCTGCCCACTGGGGCCCAAACTGCATC
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AACAGGGACAGGATGACTGTCACGAAGTCAAAAAACAATCAACTGTTTGTGAATCTTAAAAATGTGAAC
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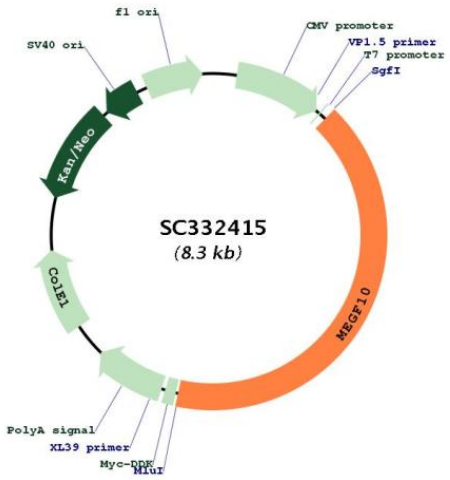
AATTCTGAATATAATTCAAGTAACTGCTCCCTAAGCAGTTCTGAGAACCCATATGCCACTATTAAAGAC
CCACCTGTACTTATCCCGAAAAGCTCAGAGTGTGGTTATGTGGAGATGAAATCGCCGGCACGAAGAGAT
TCCCCATATGCAGAGATCAATAACTCAACTTCAGCCAACAGGAATGTCTATGAAGTTGAACCTACAGTG
AGTGTTGTCCAAGGAGTATTCAGCAATAATGGGCGTCTCTCCCAGGATCCATATGACCTCCCAAAGAAC
AGTCACATCCCTTGTCATTATGACCTGCTGCCAGTCCGAGACAGTTCATCCTCCCCTAAGCAAGAGGAC
AGTGGTGGTAGCAGCAGCAACAGCAGCAGCAGCAGTGAATGA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001256545

Insert Size: 3423 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).

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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_001256545.1
RefSeq Size:	7638 bp
RefSeq ORF:	3423 bp
Locus ID:	84466
UniProt ID:	Q96KG7
Cytogenetics:	5q23.2
Protein Families:	Transmembrane
MW:	122.2 kDa
Gene Summary:	This gene encodes a member of the multiple epidermal growth factor-like domains protein family. The encoded protein plays a role in cell adhesion, motility and proliferation, and is a critical mediator of apoptotic cell phagocytosis as well as amyloid-beta peptide uptake in the brain. Expression of this gene may be associated with schizophrenia, and mutations in this gene are a cause of early-onset myopathy, areflexia, respiratory distress, and dysphagia (EMARDD) as well as congenital myopathy with minicores. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Apr 2012] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode isoform a. 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.

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