

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)

ATGGTTATTTCTTTGAACCTCATGCCTGAGCTTTATTTGTTTATTGTTATGCCACTGGATTGGGACAGCA
 TCACCTCTGAATCTTGAAGACCCCTAATGTGTGTAGCCACTGGGAAAGCTACTCAGTGACTGTGCAAGAG
 TCATACCCACATCCCTTTGATCAAATTTACTACACGAGCTGCACTGACATTCTAAACTGGTTTAAATGC
 ACGCGGCACAGAGTCAGCTATCGGACAGCCTATCGACATGGGGAAGACTATGTATAGGCGCAAGTCT
 CAGTGTGTCTGGATTTTATGAAAGCGGGGAAATGTGTGTCCCCACTGTGCTGATAAAATGTGTCCAT
 GGTCGCTGTATTGCTCCAAACACCTGTCTAGTGTGAGCCTGGCTGGGAGGGACCAACTGCTCCAGTGCC
 TGCATGGTGTACTGAGGGTCCCCACTGCACAGCCGGTGCAGTGCAAAAATGGGGCTCTGTGCAAC
 CCCATCACCGGGCTTGGCACTGTGCTGCGGGCTTCCGGGGCTGGCGCTGCGAGGACCGCTGTGAGCAG
 GGCACCTATGGTAACGACTGTCATCAGAGATGCCAGTGCAGAAATGGAGCCACTGCGACCACGTCACG
 GGGGAATGCCGCTGCCACCAGGATACACCGGAGCCTTCTGTGAGGATCTTTGTCCTCTGGTAAACAT
 GGTCCACAGTGTGAGCAGAGATGCCCTTGTCAAATGGAGGAGTGTGTCATCACGTCAGTGGAGAATGC
 TCTTGCCTTCTGGCTGGATGGGACAGTGTGTGGTCAAGCTTGCCTGAGGGGCTGGCTTTGGAAAGAAC
 TGTTCCCAAGAATGCCAGTGCATAATGGAGGGACGTGTGATGCTGCCACAGGCAATGTCATTGCAGT
 CCAGGATACACAGGGGAACGGTCCAGGATGAGTGTCTTGGGACCTATGGCGTTCTCTGTGCTGAG
 ACCTGCCAGTGTGTCAACGGAGGGAAGTGTACCACGTGAGCGGCATGCCTCTGTGAAGCAGGCTTT
 GCTGGCGAGCGCTGCGAAGCACGCTGTGCTGAGGGGCTTACGGCATCAAATGTGACAAACGGTGT
 CCCTGCCACCTGGAAAACACTCATAGCTGTACCCCATGTCTGGAGAGTGTGCCTGCAAGCCGGGCTGG
 TCAGGACTCTACTGTAATGAGACATGTTCTCCTGGATTCTACGGGAAGCTTGCAGCAGATCTGCAGC
 TGCCAAAATGGGCGAGACTGTGACAGTGTGACTGGAAAGTGCACCTGTGCCCCAGGATCAAAGGAATT
 GACTGCTCTACCCATGCCCTCTGGAACTATGGGATAAACTGTTCTCTCGTGTGGCTGTAAAAAT
 GATGCAGTCTGCTCTCCTGTGGACGGTCTTGTACTTGAAGGCAGGCTGGCAGGGGTGGACTGCTCC
 ATCAGATGTCCCAGTGGCACATGGGGCTTTGGCTGTAACCTAACATGCCAGTGCCTCAACGGGGAGCC
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 ACCACGGGCCATTGCCGCTGCCTCCCCGGATGGTCAGGTGTCCACTGTGACAGCGTGTGTGCTGAGGGA
 CGCTGGGGCCCCAACTGCTCCCTGCCCTGCTACTGTAAAAATGGGGCTTCATGCTCCCCTGATGATGGC
 ATCTGCGAGTGTGCACAGGCTTCCGAGGCACCACTTGTGAGAGGATCTGCTCCCCTGGTTTTATGGG
 CATCGTGCAGCCAGACATGCCACAGTGCCTTACAGCAGCGGGCCCTGCCACCACATCACCAGGCTG



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TGTGACTGCTTGCTGGCTTCACAGGCGCCCTCTGCAATGAAGTGTGCCAGTGGCAGATTTGGGAAA
 AACTGTGCAGGAATTTGTACCTGCACCAACAACGGAACCTGTAACCCCATTTGACAGATCTTGTCACTGT
 TACCCCGTTGGATTGGCAGTGAAGTCTCAACCATGTCACCTGCCACTGGGGCCAACTGCATC
 CACACGTGCAACTGCCATAATGGAGCTTCTGCAGCGCTACGATGGGGAATGTAATGCACTCTGGC
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 GCTATGAGGGTCGTCATGCAGATTATACCATTCAGGAACCTTCTCACAGCAATGGTGGAAACGCT
 AATAGCCACTACTTCACCAATCCAGTTACCACACGCTCACCCAGTGTGCCACATCCCTCACGTCAAC
 AACAGGGACAGGATGACTGTACGAAGTCAAAAAACAATCAACTGTTTGTGAATCTTAAAAATGTGAAC
 CCTGGGAAGAGAGGCCCTGTGGGGGACTGCACTGGGACATTGCCGGCTGACTGGAACATGGCGGTAC
 CTAACGAGCTCGGTGCTTTTGGACTTGACAGAAGCTATATGGGAAAATCCTTAAAGACCTGGGAAAG
 AATTCTGAATATAATTCAAGTAAGTCTCCCTAAGCAGTTCTGAGAACCATATGCCACTATTAAGAC
 CCACCTGTACTTATCCCGAAAAGCTCAGAGTGTGGTTATGTGGAGATGAAATCGCCGGCAGGAAGAGAT
 TCCCCATATGCAGAGATCAATACTCAACTCAGCCAACAGGAATGTCTATGAAGTTGAACCTACAGTG
 AGTGTGTCCAAGGAGTATTAGCAATAATGGGCGTCTCTCCAGGATCCATATGACCTCCCAAAGAAC
 AGTCACATCCCTTGTCTTATGACCTGTGCCAGTCCGAGACAGTTTCATCTCCCTAAGCAAGAGGAC
 AGTGGTGGTAGCAGCAGCAACAGCAGCAGCAGCAGTGAATGA

- Restriction Sites:** SgfI-MluI
- 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).
- 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.