

## Product datasheet for MC201132

### Egf (BC017681) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Egf (BC017681) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Egf
Synonyms:	A1790464
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

#### Fully Sequenced ORF:

>BC017681  
 AGAAGGGATTCTATCTGTATATAGGGAAGGAATCCTATCTGCATATTTTCGTTGTTAGCACCATCCCTCA  
 TCCCGGTGGGCTTGAACTTTCCATCAATTCTTCTGTCTCGTTTCTTTTCATCCTTTGCCTGGTTG  
 TGCTGTCTCAGGAGAAATCAGTCACCTGCAGGCCTTGCAGGGCTCTTAGGCTCTGGGAAATTTGTCAT  
 ACGGGTGTCAAGTACTTCTTATTGCTGTCCAAAGGGAAAAAAGTGAGACAAAGAACTCTCCCGGAGC  
 CTTTCCGGCTGCACTCAGAGGCTCTCGAGAGGTGCAGAAGGACCTGGAAAGGCAGCTAAATAAAGATGC  
 CCTGGGGCCGAAGGCCAACCTGGCTGTTGCTCGCCTTCTGCTGGTGTTTTTAAAGATTAGCATACTCAG  
 CGAGAGAAGCGGGACTTGTGCCGCTCCTGCCCCCTTCTAGTTTTCTCACAAGGAAAGAGCATCTCTCGG  
 ATTGACCCAGATGGAACAAATCACCAGCAATTGGTGGTGGATGCTGGCATCTCAGCAGACATGGATATTC  
 ATTATAAAAAAGAGAGACTCTATTGGGTGGATGTAGAAAGACAAGTTTTGCTAAGAGTTTTCTTAAACGG  
 GACAGGACTAGAGAAAGTGTCAATGTAGAGAGGAAGGTGTCTGGGCTGGCCATAGACTGGATAGATGAT  
 GAAGTTCTCTGGGTAGACCAACAGAACGGAGTCATCACCGTAACAGATATGACAGGGAAAAATCCCGAG  
 TTCTTCTAAGTTCTTAAACATCCGTCAAATATAGCAGTGGATCCAATAGAGAGTTGATGTTTTGGTC  
 TTCAGAGGTGACCGGCAGCCTTCACAGAGCACACCTCAAAGGTGTTGATGTA AAAACACTGCTGGAGACA  
 GGGGGAATATCGGTGCTGACTCTGGATGTCCTGGACAAACGGCTCTTCTGGGTTCAAGGACAGTGGCGAAG  
 GAAGCCACGCTTACATTCATTCTGTGATTATGAGGGTGGCTCCGTCCTTATCAGGCATCAAGCAGC  
 GCACAGTTTGTCTTCAATGGCCTTTTTGGTGATCGGATCTTCTACTCAGTGTGAAAAGCAAGGCGATT  
 TGGATAGCCAACAACACACGGGGAAGGACACGGTCAGGATTAACCTCCATCCATCCTTTGTGACACCTG  
 GAAAACCTGATGGTAGTACACCCTCGTGACAGCCAGGACAGGACGCTGCTAAGGATCCTGACCCCGA  
 ACTTCTCAAACAGAGGGGAAGACCATGCCGCTTCGGTCTCTGTGAGCGAGACCCCAAGTCCCACTCGAGC  
 GCATGCGCTGAGGGCTACACGTTAAGCCGAGACCGGAAGTACTGCGAAGATGTCAATGAATGTGCCACTC  
 AGAATCACGGCTGACTCTTGGGTGTGAAAACACCCTGGATCCTATCACTGCACATGCCCCACAGGATT  
 TGTCTGCTTCTGATGGGAAACAATGTCACGAACTTGTTCCTGCCAGGCAACGTATCAAAGTGCAGT  
 CATGGCTGTGCTGACATCAGATGGTCCCGGTGCATCTGCTCAGGTTTCAAGTGTGGGAGAGATG  
 GGAAGACTTGCATGGTGTTCATCGCCTGACAATGGTGGATGCAGCCAGATCTGTCTTCTCAGGCC  
 AGGATCCTGGGAATGTGATTGCTTTCCTGGGTATGACCTACAGTCAGACCGAAAGAGCTGTGCAGCTTCA  
 GGACCACAGCCACTTTACTGTTTGCAAATCCCAGGACATCCGACACATGCATTTTGATGGAACAGACT



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ACAAAGTTCTGCTCAGCCGGCAGATGGGAATGGTTTTGCCTTGGATTATGACCCTGTGGAAAGCAAGAT  
 ATATTTTGCACAGACAGCCCTGAAGTGGATAGAGAGGGCTAATATGGATGGGTCCACGGAGAAAGACTG  
 ATCACAGAAGGAGTAGATACGCTTGAAGTCTTGCCTGGACTGGATTGGCCGGAGAATCTACTGGACAG  
 ACAGTGGGAAGTCTGTTGTTGGAGGGAGCGATCTGAGCGGGAAGCATCATCGAATAATCATCCAGGAGAG  
 AATCTCGAGGCCGCGAGGAATAGCTGTGCATCCAAGGGCCAGGAGACTGTTCTGGACGGACGTAGGGATG  
 TCTCCACGGATTGAAAGCGCTTCCCTTCAAGTTCCGACCGGGTCTGATAGCCAGCTCCAATCTACTGG  
 AACCCAGTGAATCACGATTGACTACTTAACAGACACTTTGTACTGGTGTGACACCAAGAGGTCTGTGAT  
 TGAATGGCCAATCTGGATGGCTCCAAACGCCGAAGACTTATCCAGAACGACGTAGGTACCCCTTCTCT  
 CTAGCCGTGTTTGGATCACCTGTGGTCTCGGATTGGCTATCCCATCGGTAATAAGGTGAACAAGA  
 GGACTGGCCAAAACAGGGTACGTCTTCAAGGCAGCATGCTGAAGCCCTCGTCACTGGTTGTGGTCCATCC  
 ATTGGCAAACAGGTGCAGATCCCTGCTTATACAGGAATGGAGGCTGTGAACACATCTGCCAAGAGAGC  
 CTGGGCACAGCTCGTGTGTTGTGCTGTAAGGTTTTGTGAAGCCCTGGGATGGGAAAATGTGTCTCCCTC  
 AGGATTATCCAATCCTGTCAAGTAAAAATGCTGATCTTAGTAAAGAGGTGACATCACTGAGCACTCCAC  
 TCAGGCTGAAGTACCAGACGATGATGGGACAGAATCTCCACACTAGTGGCTGAAATCATGGTGTCAAGC  
 ATGAACTATGAAGATGACTGTGGTCCCGGGGGTGTGGAAGCCATGCTCGATGCGTTTCAGACGGAGAGA  
 CTGCTGAGTGTCACTGTGAAAAGGTTTTGCCAGGGATGGAACCTGTGTCTGATATAGATGAGTGTGT  
 GCTGGCTAGATCGGACTGCCCCAGCACCTCGTCCAGGTGCATCAACACTGAAGGTGGCTACGTCTGCAGA  
 TGCTCAGAAGGCTACGAAGGAGACGGGATCTCCTGTTTCGATATTGACGAGTGCCAGCGGGGGCCACA  
 ACTGCGCTGAGAAATGCCGCTGCACCAACCGGAGGGAGGCTACAACCTGCACCTGCGCAGGCCGCCCATC  
 CTCGCCGGACGGAGTTGCCCTGACTCTACCGCACCTCTCTCCTTGGGGAAGATGGCCACCATTGGAC  
 CGAAATAGTTATCCAGGATGCCATCCTCATATGATGGATACTGCCTCAATGGTGGCGTGTGCATGCATA  
 TTGAATCACTGGACAGCTACACATGCAACTGTGTTATTGGCTATTCTGGGATCGATGTCAGACTCGAGA  
 CTTACGATGGTGGGAGCTGCGTCACTGGTACGGGCAGAAGCATGACATCATGGTGGTGGCTGTGTCG  
 ATGGTGGCACTGGTCTGCTCTCTTGGGGATGTGGGGACTTACTACTACAGGACTCGGAAGCAGC  
 TATCAAAACCCCAAGAACCTTGTGATGAGCCAAGCGAAGTGTGAGCAGCAGCGGGCCGACAGCAG  
 CAGCGGGCAGCTGTGGCTTCTGTCCCAACCTTGGTTTGTGGTCTAGAGAAACCAAGACCCCAAG  
 AATGGGAGTCTGCCTGCGGATGGTACGAATGGTGCAGTAGATGCTGGCCTGTCTCCCTCCCTGCAGC  
 TCGGGTCACTGCATCTGACTTTCATGGAGACAGAAGCCCCACATAGATGGAATGGGCACAGGGCAAAGCTG  
 CTGGATCCACCATCAAGTGCAGAGGACCCAGGAAATAGAGGGAAACTCCACCTACCCTCCTACAGA  
 CCTGTGGGGCCGAGAAGCTGCATTCTCCAGTCAGCTAATGGATCGTGTACGAAAGGGCTCCAGACC  
 TGCCACGGCAGACAGAGCCAGTTAGTAGAAACTGGGAGTAGACAGAAGGTACAGAAGGGAAAATAACAA  
 ACCAGGCTGATGATGGTAGAGTGTACAGACTTGGTACTCCAGTTTCCACGGCTAATCACTGCTCGCTCA  
 GGGTCTGAAGATAGCTGCACAGCTGCAGAGCTGCACAGCGGGATAGCTGCGACTTTTGCTTCTGCTTT  
 AAGCAGTTCACCTGAAGATACTCAAAGAGAAGTGGAGAAAATCATTAGAAAACCAAGTCAAGACATTCA  
 TATATAAGCTGTGTCTTCTTCACTGGACGGTTGCCTCTTTTCTTTTGCCTCAGAAGGAGTGGGTTAAA  
 GCAGGTGACCCCATGCTCTGTCAACCCCTGAATAAATGATGTGATCTACATAGAAGTCTTAGTCACTCT  
 CAGGAACGCTTGGAACTATAACTTTTGTATGATATACTGCCAAGTGTGGCCATGCTCATAATTGTG  
 CCTTCTGAATTGTGATAAATTAGTAAAAAACTGTAACCTAGAATCTGATTTATTCAGGATTAGATCATC  
 TTCTTGAAGTCTTCCAGTGAACCGCTCAATTCTGCTGTTTCCATAGAATTTTAAATTTATTTAAG  
 ACATGAGATTGTAACAAATTGCTTGAATTTATTTATCTTAATTTTAAATAAAATCACCTAAAGCAT  
 CAGCAAAAAAAAAAAAAA

**Restriction Sites:**

RsrII-NotI

**ACCN:**

BC017681

**Insert Size:**

3603 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).

<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>	<a href="#">BC017681</a> , <a href="#">AAH17681</a>
<b>RefSeq Size:</b>	4709 bp
<b>RefSeq ORF:</b>	3603 bp
<b>Locus ID:</b>	13645
<b>Cytogenetics:</b>	3 58.5 cM
<b>Gene Summary:</b>	This gene encodes epidermal growth factor (EGF), the founding member of the EGF family of growth factors that are implicated in cell proliferation and differentiation. The encoded protein can localize to the membrane and function in juxtacrine signaling or undergo proteolytic processing to generate a soluble form of the hormone. Mice lacking the encoded protein do not exhibit an abnormal phenotype but transgenic mice overexpressing the encoded protein exhibit hypospermatogenesis. [provided by RefSeq, Jul 2016]