

## Product datasheet for **MC200535**

### Ilk (NM\_010562) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ilk (NM\_010562) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ilk  
**Synonyms:** AA511515; ESTM24  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC003737 sequence for NM\_010562  
 CCCCAGTCCCGGGTCTCTGTGCCGGGACGCTGCTATGGACGACATTTTCACTCAGTGCCGGGAGGGCAA  
 CGCGGTGGCGGTGCGCTTGTGGCTGGACAACACAGAGAACGACCTCAATCAGGGGATGATCATGGCTTC  
 TCCCCCTTGCACTGGGCCTGCCGAGAAGCCGCTCTGCGGTGGTTGAAATGCTGATCATGCGTGGAGCAC  
 GGATTAATGTGATGAATCGTGGGATGATACCCCTGCACCTGGCAGCTAGTCATGGACACCGTGACAT  
 TGTACAGAAGCTGTTGCAATACAAGCTGACATCAATGCAGTGAATGAGCACGGCAATGTGCCACTTCAC  
 TATGCATGTTTCTGGGGCCAAGACCAGGTGGCAGAGGACCTGGTGGCTAACGGGGCTCTTGTGAGCATCT  
 GTAACAAGTATGGAGAGATGCCTGTGGACAAAGCCAAGGCACCCCTTAGAGAGCTTCTCCGAGAACGGGC  
 AGAGAAAATGGGCCAGAATCTCAACCGTATTCCATACAAGGACACATTCTGGAAGGGGACCACTCGCACA  
 AGGCCCGAAAATGGACCCTGAACAAACTCCGGTATTGACTTCAAACAGCTCAACTTTCTGGCAAAGC  
 TCAATGAGAATCATTCTGGAGAGCTTTGAAAGGCCGCTGGCAGGGCAATGATATTGTTGTGAAGGTGCT  
 GAAGGTTTCGAGACTGGAGTACAAGGAAAAGCAGGGACTTCAATGAGGAATGTCCCGGCTCAGGATTTTC  
 TCACACCCTAACGTGCTCCCACTGCTAGGTGCTTGCCAGGCTCCCCAGCCCCCAACCCCTCATCA  
 CACACTGGATGCCATATGGATCTCTCTACAATGTTCTACATGAAGGCACCAATTTTCGTTGTGGACCAGAG  
 CCAAGCTGTAAAGTTTGGCTTTGGACATGGCAAGAGGCAATGGCTTTTCTTACACACTAGAGCCTCTCATA  
 CCCCAGCATGCACTCAATAGCCGAGTGAATGATCGATGAAGATATGACTGCCGAATCAGCATGGCTG  
 ATGTTAAGTTTCTTCCAGTGCCTGGGCGCATGTATGCGCCTGCCTGGGTGGCCCTGAAGCCCTGCA  
 GAAGAAGCCTGAAGACACAAACAGACGCTCAGCAGACATGTGGAGTTTCGCGGTGCTTCTGTGGAACTG  
 GTGACACGAGAGGTGCCCTTGGCTGACCTCTAATATGGAGATTGGGATGAAGGTGGCACTGGAAGGCC  
 TTCGGCCTACCATCCACAGGTATTTCCCCCATGTGTGAAGCTCATGAAGATTTGCATGAATGAAGA  
 CCCTGCAAAGCGACCCAAGTTTGACATGATTGTGCCTATCTTGGAGAAGATGCAGGACAAGTAGGACCTT  
 CAGGTCCTTGCCAAACTCCAGAAGTGTCAAACATGGCTGGGGGAGTACACTTCTCAAAGTTAAAGAC  
 CTCTGGTTGCCTCCCCTGTCTAATCATGGTACTACCCAGTTATGGGACTTGTTCCTGCTCCCATCC  
 CTACCACTGTAGCCCCAAAAGGGGCTGGGCTCAGAGCTTTGTCACCTGCCACATGATGTCTCCCAACATG  
 GGAGGGATCAGCCCCGCTGTCACAATAAAGTTTATTATGAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



[View online »](#)

<b>ACCN:</b>	NM_010562
<b>Insert Size:</b>	1359 bp
<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="#">BC003737</a></u> , <u><a href="#">AAH03737</a></u>
<b>RefSeq Size:</b>	1673 bp
<b>RefSeq ORF:</b>	1359 bp
<b>Locus ID:</b>	16202
<b>UniProt ID:</b>	<u><a href="#">O55222</a></u>
<b>Cytogenetics:</b>	7 E3
<b>Gene Summary:</b>	<p>Receptor-proximal protein kinase regulating integrin-mediated signal transduction. May act as a mediator of inside-out integrin signaling. Focal adhesion protein part of the complex ILK-PINCH. This complex is considered to be one of the convergence points of integrin- and growth factor-signaling pathway. Could be implicated in mediating cell architecture, adhesion to integrin substrates and anchorage-dependent growth in epithelial cells. Phosphorylates beta-1 and beta-3 integrin subunit on serine and threonine residues, but also AKT1 and GSK3B.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>