

Product datasheet for **MC200261**

Edem2 (NM_145537) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Edem2 (NM_145537) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Edem2
Synonyms:	9530090G24Rik; AI327354
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC008268 sequence for NM_145537
 GTGGCGGTGGCTGCAGCTGCTGCGGCGGCACTGACAGGACACGAGCTCTATGCCTTTCCGGCTACTCATC
 CCGCTCGGCTCGTGTGCGTGCTGCTACCCCTGCACCATGGTGCGCCAGGCCCGACGGCACCGCGCCCG
 ACCCGGCCACTACAGGGAGCGAGTCAAGGCCATGTTCTACCACGCTACGACAGTTACCTGGAAAATGC
 CTTTCCCTACGATGAGCTGAGACCTCTCACCTGTGATGGGCACGACACCTGGGGCAGTTTTTCTCTGACG
 CTAATTGATGCCCTGGACACCTTGCTGATTTTGGGGAATACCTCTGAATCCAAAGAGTAGTGGAGGTTCT
 TTCAGGACAATGTGGACTTTGATATCGACGTGAACGCCCTGTGTTCGAAACCAACATCCGAGTGGTAGG
 AGGACTCCTTTCTGCTCATCTCTTGTCAAAGAAGGCCGGTGTGGAGGTGGAAGCCGGGTGGCCTTGTCT
 GGGCCTCTCCTCAGGATGGCGGAGGAAGCAGCCCGGAAACTCCTCCCAGATTTAGACCCCCACGGGCA
 TGCCCTATGGAAGTGTGAACCTGCTTCATGGCGTGAACCTGGAGAGACCCTGTTACCTGTACAGCAGG
 GATTGGGACCTTCATTGTGGAATTTGCTACCCTGAGCAGCCTCACCGGTGACCCTGTGTTTGAAGATGTG
 GCCAGAGTGGCCCTGATGCGTCTCTGGGAGAGCCGGTCAGATATCGGGCTGGTTGGCAATCACATCGATG
 TGCTCACTGGCAAGTGGGTGGCCAGGATGCAGGCATCGGGGCTGGTGTGGATTCTATTTTGGAGTACCT
 GGTAAGGAGGCCATCCTTCTCAGGATAAGAACTCATGGCCATGTTCTAGAGTACAACAAGGCCATC
 CGGAATTACACGCACTTCGATGACTGGTACCTCTGGGTGCAGATGTACAAGGGGACCGTGTCAATGCCTG
 TCTTCCAGTCCTTGGAGGCCTACTGGCCTGGCCTTCAGAGCCTTATTGGAGACATTGACAATGCCATGAG
 GACCTTTCTCAACTACTACACTGTATGGAAGCAGTTTGGGGGGCTGCCAGAAATTACAACATTCCTCAG
 GGATACACAGTGGAGAAGCGAGAAGGCTACCCACTCCGACCGGAGCTCATCGAGAGCGCAATGTACCTCT
 ACCGCGCCACTGGGGATCCCACTCTCTTAGAAGTTGGGAGAGACGCTGTGGAATCCATTGAGAAAATCAG
 CAAGGTGGAGTGTGGATTTGCCACGATCAAGGACCTCCGGGACCACAAGCTTGACAACCGCATGGAGTCT
 TTCTTCTGGCTGAAACTGTGAAATACCTCTATCTTCTGTTCCACCCAAACAACCTCATCCACAACAATG
 GCTCCACCTTTGACTCTGTGATGACTCCCATGGGGAGTGCATCCTAGGAGCCGGGGCTACATCTTCAA
 CACGGAGGCTCACCCATTGACCTGTGCTTGCCTTGCAGTGTCCGGAGGCTCAAGGAGGAGCAGTGGGAA
 GTGGAGGACTTGATAAAGGAGTTCTACTCCCTCAAACAGAGCAGGCCAAAGAGAGCTCAGAGGAAGACAG
 TGAGGTGGGGCCCTGGGAGCCCAAGTCAAGGGCCAGCCCACTCTTCTACCTGCAAACAGCCAGGGGA
 GAAGCAGCTGCCCGGCAGCAACCCCGCTTCTCAGCTGCCCCAGCCAGCCCTTACCTCTAAGCTGGCA
 TTGCTAGGCCAGTTTTCTAGACTCCTCATAGCCACTGGATAATTTTCTAATTTTTATTTTTTTGAGAC
 TAAGCTAATAATAAATCTGCTTTTGGCTAAA
 AA

Restriction Sites: RsrII-NotI

ACCN: NM_145537

Insert Size: 1734 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: [BC008268](#), [AAH08268](#)

RefSeq Size: 1926 bp

RefSeq ORF: 1734 bp

Locus ID: 108687

UniProt ID: [Q8BJT9](#)

Cytogenetics: 2 H1

Gene Summary: Involved in the endoplasmic reticulum-associated degradation (ERAD) pathway that targets misfolded glycoproteins for degradation in an N-glycan-dependent manner (PubMed:15579471, PubMed:25655076). May initiate ERAD by promoting the first mannose trimming step of ERAD substrates, from Man9GlcNAc2 to Man8GlcNAc2 (By similarity). Seems to recognize and bind to exposed hydrophobic regions in target proteins (PubMed:25655076). [UniProtKB/Swiss-Prot Function]