

Product datasheet for **MR209777**

Edem1 (NM_138677) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Edem1 (NM_138677) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Edem1
Synonyms:	A130059K23Rik; EDEM; mKIAA0212
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209777 representing NM_138677
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAATGGCGAGCGCTTGTCTGGGGCTGGTGTCTGCGCCTCGGCCTCCACGCGGTGCTCTGGTTGG
 TCTTCGGGCTGGGGCCAGCATGGGCTTCTACCAGCGTTTCCGCTCAGCTTCGGCTTCCAGCGCTTGAG
 GGACCCGACGGCTCGGGCCAGTTGGTCCGCCGGAGGCCCGGCCTGGCTTCATCGGCCAAGGCGCGGA
 ACGGAGGGGCGGCTTGAGACCCGCCAGAGCCGGGACCGACCGGGGACCGGGCGTGTGCGGCCCGGCGC
 ACTGGGGCTATGCCCTGGGCGCGGTGGCTGCGGCCCGGACGAGTACGAGCGGCGCTACAGCGGCGCCTT
 CCCGCCGAGCTGCGTGCCAGATGCGCGACCTGGCGCGGGCATGTTCTGCTTCGGCTATGACAACTAC
 ATGGCGCACGCCTTCCGCAGGACGAGCTCAACCCCATCTACTGCCGCGGCCGGGGGCTGACCGCGGAG
 ACCCTTCCAATCTGAACATCAATGATGTCTAGGGAATTACTCTGACTCTGGTTGATGCCTTGGATAC
 ATTTGGCAATAATGGGAAATTCATCCGAGTTCAGAAGGCAGTCAAGTTAGTGATCAACACTGTTTCAATT
 GACAAAGATTCCACAGTCCAGGTCTTCAAGCTACGATAAGGGTTCTGGGAAGCCTCTTTCTGCTCACA
 GAATAAATACTGATTCCAACAGCCCTTTGGTGACATGACAATTGAGGATTATGATAATGAATTGTTGTA
 CATGGCCCATGACTTGGCTGTGCGGCTCCTTCCAGCCTTTGAAAACACCAAGACAGGGATCCCTATCCT
 CGGGTGAATCTGAAGACAGGTGTTCTCCTGACAGCAATAATGAGACCTGCACAGCGGGGCGGTTCTC
 TCTGTTGGAATTTGGGATTCTGAGCCGACTGCTGGGGGATTCCACTTTTGAGTGGGTTGCCAGACGAGC
 TGTGAAAGCCCTCGAACTTGGGAGCAACGATACAGGATTATTAGGCAATGTTGTGAACATCCAGACA
 GGCCATTGGGTTGAAAGCAGAGTGGCTTGGGTGCTGGGCTGGATTCTTCTATGAGTACCTCTTGAAT
 CTTACATTTCTTTTGGAGAAAAAGAAGATCTAGAGATGTTAATGCTGCGTATCAGAGCATCCAGAGCTA
 CCTGCGAAGAGGCCGGGAAGCCTGCAATGAAGGAGAAGGAGACCCACCGCTCTACGTCAACGTGAACATG
 TTCAGTGGGACGCTCATGAACACCTGGATTGACTCGTGCAGGCTTTCTCCCTGGACTGCAGGTTCTGA
 TAGGGGATGTGGAAGATGCCATCTGCCTACACGCTTCTACTATGCCATATGGAAGCGGTACGGGGCCCT
 CCCTGAGCGCTATAACTGGCACTCCAGGCCCTGATGTTCTTCTACCTCTGAGACCAGAGCTAGTG
 GAGTCCACATATCTCCTTACCAGGCAACCAAGAATCCCTTCTACCTCCATGTAGGAATGGACATTCTGC
 AGAGTCTTAAAAATACACAAAAGTCAAATGTGGATATGCTACGCTGCATCACGTATAGACAAGTCTAA
 AGAAGACCGGATGAAAGCTTTCTCAGCGAGACTTGCAAATACTTGTATCTGCTATTTGATGAAGAG
 AATCCAGTACACAAATCTGGAACAGATACATGTTTACAACCTGAGGGCCATATCATATCTGTGGACAAC
 GTCTTCGGGAATTGCCTTGAAGGAATTTCTCTGAAGATGGGAGCGGGACCAAGAGGAAAAGTTTGT
 ACACAGACCTAAGTCTCAGGAGCTCAGAGTCATTAACCTCAGTTCTAATTGTAATCGTGTTCCTGATGAG
 AGGAGATACTCCTTGCCCTAAAGAGCATCTACATGCGCCAGATCGACCAGATGGTTGGCTTGATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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_138677.2](#), [NP_619618.1](#)

RefSeq Size: 5858 bp

RefSeq ORF: 1959 bp

Locus ID: 192193

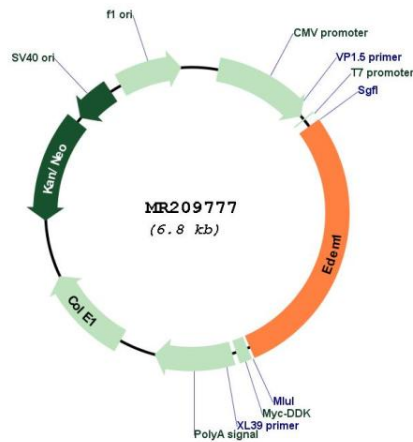
UniProt ID: [Q925U4](#)

Cytogenetics: 6 E2

MW: 74.2 kDa

Gene Summary: Extracts misfolded glycoproteins, but not glycoproteins undergoing productive folding, from the calnexin cycle. It is directly involved in endoplasmic reticulum-associated degradation (ERAD) and targets misfolded glycoproteins for degradation in an N-glycan-independent manner, probably by forming a complex with SEL1L. It has low mannosidase activity, catalyzing mannose trimming from Man8GlcNAc2 to Man7GlcNAc2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209777