

Product datasheet for **SC320190**

C20orf31 (EDEM2) (NM_018217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf31 (EDEM2) (NM_018217) Human Untagged Clone
Tag:	Tag Free
Symbol:	C20orf31
Synonyms:	bA4204.1; C20orf31; C20orf49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_018217.1
 AGCTCCCAGGATGAACTGGTTGCAGTGGCTGCTGCTGCTGCGGGGGCGCTGAGAGGACAC
 GAGCTCTATGCCTTTCCGGCTGCTCATCCCCTCGGCCTCCTGTGCGCGCTGCTGCCTCA
 GCACCATGGTGCGCCAGGTCCCACGGCTCCGCGCCAGATCCCGCCACTACAGGGAGCG
 AGTCAAGGCCATGTTCTACCACGCCTACGACAGCTACCTGGAGAATGCCTTTCCCTTCGA
 TGAGTGCACCTCTCACCTGTGACGGGCACGACACCTGGGGCAGTTTTTCTCTGACTCT
 AATTGATGCACCTGGACACCTTGGTATTTGGGGAATGTCTCAGAATCCAAAGAGTGGT
 TGAAGTGCTCCAGGACAGCGTGGACTTTGATATTGATGTGAACGCCTCTGTGTTGAAAC
 AAACATTCGAGTGGTAGGAGACTCCTGTCTGCTCATCTGCTCTCCAAGAAGGCTGGGGT
 GGAAGTAGAGGCTGGATGGCCCTGTTCCGGGCCTCCTGAGAATGGCTGAGGAGCGGC
 CCGAAAACCTCCCAGCCTTTCCAGACCCCACTGGCATGCCATATGGAACAGTGAACCT
 ACTTCATGGCGTGAACCCAGGAGAGACCCTGTCACTGTACGGCAGGGATTGGGACCTT
 CATTGTTGAATTTGCCACCCTGAGCAGCCTCACTGGTACCCGGTGTTCGAAGATGTGGC
 CAGAGTGGCTTTGATGCGCCTCTGGGAGAGCCGGTCAGATATCGGGCTGGTCGGCAACCA
 CATTGATGTGCTCACTGGCAAGTGGTGGCCAGGACGCAGGCATCGGGGCTGGCGTGGA
 CTCTACTTTGAGTACTTGGTGAAGGAGCCATCCTGCTTCAGGATAAGAAGCTCATGGC
 CATGTTCCTAGAGTATAACAAAGCCATCCGGAACCTACACCCGCTTCGATGACTGGTACCT
 GTGGGTTCCAGATGTACAAGGGGACTGTGTCCATGCCAGTCTTCCAGTCTTGGAGGCCTA
 CTGGCCTGGTCTTCAGAGCCTCATTGGAGACATTGACAATGCCATGAGGACCTTCCTCAA
 CTACTACACTGTATGGAAGCAGTTTGGGGGGCTCCCGAATTCTACAACATTCCTCAGGG
 ATACACAGTGGAGAAGCGAGAGGGCTACCCACTTCGGCCAGAACTTATTGAAAGCGCAAT
 GTACCTTACCGTGCCACGGGGGATCCCACCCTCTAGAACTCGGAAGAGATGCTGTGGA
 ATCCATTGAAAAAATCAGCAAGGTGGAGTGGGATTTGCAACAATCAAAGATCTGCGAGA
 CCACAAGCTGGACAACCGCATGGAGTCGTTCTTCTGGCCGAGACTGTGAAATACCTCTA
 CCTCTGTTTGACCCAACCAACTTCATCCACAACAATGGGTCCACCTTCGACACGGTGT
 CACCCCTATGGGGAGTGCATCCTGGGGCTGGGGGTACATCTTCAACACAGAAGCTCA
 CCCCATCGACCCTGCCGCCCTGCACTGCTGCCAGAGGCTGAAGGAAGAGCAGTGGGAGGT
 GGAGGACTTGATGAGGGAATTCTACTCTCTCAAACGGAGCAGGTGCAAATTTAGAAAAA
 CACTGTTAGTTCGGGGCCATGGGAACCTCCAGCAAGGCCAGGAACACTCTTCTACCAGA
 AAACCATGACCAGGCAAGGGAGAGGAAGCCTGCCAAACAGAAGGTCCCACTTCTCAGCTG
 CCCCAGTCAAGCCTTACCTCCAAGTTGGCATTACTGGGACAGGTTTTCTAGACTCCTC
 ATAACCACTGGATAATTTTTTTATTTTTTTTTTTTGGAGCTAAACTATAATAAATGCT
 TTTGGCTATCATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_018217

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_018217.1](#), [NP_060687.1](#)

RefSeq Size: 1885 bp

RefSeq ORF: 1737 bp

Locus ID: 55741

UniProt ID: [Q9BV94](#)

Cytogenetics: 20q11.22

Domains: Glyco_hydro_47

Protein Families: Secreted Protein

Gene Summary: In the endoplasmic reticulum (ER), misfolded proteins are retrotranslocated to the cytosol and degraded by the proteasome in a process known as ER-associated degradation (ERAD). EDEM2 belongs to a family of proteins involved in ERAD of glycoproteins (Mast et al., 2005 [PubMed 15537790]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (1) encodes the longer isoform (1).