

Product datasheet for SC110291

EDEM3 (NM_025191) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDEM3 (NM_025191) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDEM3
Synonyms:	C1orf22
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110291 sequence for NM_025191 edited (data generated by NextGen Sequencing)

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ATGAGCGAAGCCGGCGGGGCTGTGGGTCCCGGTTCCCCAGCGAGCGCGATGGAGA
CTAGTGGCGGCGACGGCCGCGTTCTGCCTGGTGTGCGCCACCTCCGTGTGGACGGCGGGG
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ATTTTTGACATAGAAGATTACATCTTTACAACAGAAGCTCATCTGTTACCTCTTTGGCTC

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TCTACTACAAATCAAAGCATCTCTAAAAAGAACAACCTCGGAATATACAGAACTGGAT
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 GTTAGCTGGGGTAAAAAGGTCCAGCCTATAGACTCCATATTAGCAGACTGGAATGAAGAT
 ATAGAAGCATTTGAAATGATGGAGAAGGATGAGCTATGA

Clone variation with respect to NM_025191.3
 1148 a>t

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_025191 unedited
 GGTGTTCTAANATTTAGGTNATCACGNACTTACTTTTTAGGGNCGNNGTATTTGGNA
 CGAGGGCCGNGTGCCGTTCTGTACTCCGCATCCCGCCCGTCTCGGCACGGCTAGCA
 GCCCCTGGCCACCAGCGTCCAGCAATGTGTCTCACCGCCGGGGGTAGCAGCTGCGCGT
 GCGCGGAACCGCGGGCCATGAGCGAAGCCGCGCGCCGGGGTGTGGGTCCCGGTTCCC
 CAGCGAGCGGATGGAGACTAGTGGCGGCGACGGCCGCTTCTGCCTGGTGTGCGCCACC
 TCCGTGTGGACGGCGGGGCGGAGCCATGAGTAGGGAGGAGAAACAGAAGCTTGGGAAT
 CAAGTACTGGAAATGTTTGATCATGCTTATGGTAACTATATGGAACATGCTTACCCTGCT
 GATGAACTCATGCCTTTAACCTGTAGAGGTGAGTTAGAGGCCAAGGCCAAGTCGCGGC
 GACGTTGATGATGCCTTGGGAAAATTTCTCTGACACCTGATTGATTCTTTGGCACTCT
 TGCGGTTTTAAATAACACTAAAGAATCTCGATATGCCCTGAGAAAAGTTTTAAGAGATGT
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 GGTCTTTTTGGGTGGGCACTCCCTGCGCATTATGCTGAAAGAAAAGGTGTATATATGCAG
 CGGTACAATGATGAACTTTTTCCAAAGGCAAGCAGTTTTGTTACAACTTTTTACCGGCT
 TTTAACATTACCAGTGGCCTTTCTTATCCACGATTAATTAAGTTTGCCTTAACAAACC
 ACAATCTTGGCCGTAACTCGAAAGATTCCTGTACAGCTGTGCAGAACCTTGATCCTTGAT
 TCGTTGTTAATCTTTTTCAGGACCACCTATTTGAGAAGTTGG

3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_025191 unedited</p> <pre>CGAGTGACCGAGGCCGCGCTCGAGTATACGAGTAAATCCCTTTTTTTTTTAAGGATTTAC TCCTCCTTAACAAGTGAACAATTTGCTTCTAACCCTCAATGAAAGGCAACACCTCCCTCT AATGGCCAAAGGAAGAGAGTGGCAGTAAGCTGGCTTTTCCAATGTGCCACACAATCCTTC ATGCCATTAACCTCTCCTTGCTGGAAAAGAAATCAGGTTGTCTCGATCACCTCACAAAAG TCACTCCTACACAACACCGACTTTCACCTACAAATACACCCTCCCATCCATGCCTATACC GCTCCCGCCCCCATGCCCTACAGGCACCATCCGCTCATTCTCCTCCCGCTCCCCCCCC TCTCCACCGTCCGCCCTGTCTTTTATCTCCGACTATCCCGCCCCCCCCCTCGCTCCCC TCCCCTCCCCCCTTCTCCCCTCCCGCCTNTCCCCCCCCCCCCCCCCCCCCCACCTCTCAT CCCTTCTCTTACCNCCTTCCCCCTTCTCTCTCCCCCTTCCCGCCCCCCCCCCCCCTC CGCTCCCCCTCTCTTCCCCCTCCTCCCTCCTCGGCCCTCCACCTCCCCCGCGCCCT TCTCTCCCCCTCCCCTCCCCACCCCTCCCCCGGCCCTCCCTCTCCCCCCCCCCCC CCGTCTCTTCCCCCCCCCACCTCCCCCCCCCCCCCCCCCTTTTCCCCCCCCCCCC CCTTCCCTCCCCCTTCCCCCTCCCCTCCCCCTCCCCCCCCCCCCCCCCACCCCTC ATCCCCCCCCCCCCCCCCCTACTCCCTCTCCCCTTCCCCTACTCCTCGCCCCACC CCCTCCCCCCCCCTCACCTCCCCCACCCCTCCCCACCTCCTCCACCCCCCTC TCCCCCTCCCTGCCCCCCACGTCCTAACCTCACCCCCCCCCAC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_025191
Insert Size:	5410 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:	<ol style="list-style-type: none"> 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_025191.2 , NP_079467.2
RefSeq Size:	6298 bp
RefSeq ORF:	2670 bp
Locus ID:	80267
UniProt ID:	Q9BZQ6
Cytogenetics:	1q25.3
Domains:	Glyco_hydro_47, PA

Gene Summary:

Quality control in the endoplasmic reticulum (ER) ensures that only properly folded proteins are retained in the cell through recognition and degradation of misfolded or unassembled proteins. EDEM3 belongs to a group of proteins that accelerate degradation of misfolded glycoproteins in the ER (Hirao et al., 2006 [PubMed 16431915]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.