

Product datasheet for **SC318399**

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
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_025191, the custom clone sequence may differ by one or more nucleotides

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ATGAGCGAAGCCGGCGCCGGGGCTGTGGGTCCCCGGTCCCCAGCGAGCGCGATGGAGA
CTAGTGGCGGCGACGGCCGCTTCTGCCTGGTGTGGCCACCTCCGTGTGGACGGCGGGG
GCCGAGCCCATGAGTAGGGAGGAGAAACAGAAGCTTGGGAATCAAGTACTGGAATGTTT
GATCATGCTTATGGTAACTATATGGAACATGCTTACCCTGCTGATGAACTCATGCCTTTA
ACCTGTAGAGGTCGAGTTAGAGGCCAAGAGCCAAGTCGCGGTGACGTTGATGATGCCTTG
GGAAAATTTTCTCTGACACTGATTGATTCTTTGGACACTCTTGTGGTTTTAAATAAACT
AAAGAATTTGAAGATGCAGTGAGAAAAGTTTTAAGAGATGTTAATTTAGATAACGATGTA
GTCGTATCAGTCTTTGAAACAAACATCAGAGTTCTTGGGGTCTTTTGGTGGGCACTCC
CTGGCAATCATGCTGAAAGAAAAAGGTGAATATATGCAGTGGTACAATGATGAACTTCTC
CAAATGGCAAAGCAGTTAGGTTACAACTTTTACCGGCTTTCAACTACCAGTGGCCTT
CCTTATCCAAGAATTAATTTAAAGTTTGGCATCAGAAAACCAGAAGCTCGGACAGGAACT
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TACTACCTTGAAGTAGGGAAGACACTTATTGAAAATTTAAATAAATATGCTAGAGTGCCT
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GACGCTGAAGATGGGTTGAGGTTGATGCAGGAGATGATTGAATTGTCAAGTCAGCAACAA
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TCATCAAGTTCTCAGGAGGTTGATTTGGTTGATCAAGAGTCTTCTGAGGAAAATCTCTA
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TCTGAACAGACTTCTAATCCCACAGAAAACCATGAGACTACAAATCTAATGGTGAATGT
ACAGATTTAGATAACCAGCTTCAAGAACAATCAGAACTGAGGAAGATTCCAATCCTAAT
GTTAGCTGGGGTAAAAAGGTCCAGCCTATAGACTCCATATTAGCAGACTGGAATGAAGAT
ATAGAAGCATTGAAATGATGGAGAAGGATGAGCTA

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Restriction Sites: Please inquire

ACCN:	NM_025191
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:	<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_025191.3 , NP_079467.3
RefSeq Size:	6670 bp
RefSeq ORF:	2799 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.