

Product datasheet for **SC326050**

C20orf31 (EDEM2) (NM_001145025) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf31 (EDEM2) (NM_001145025) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDEM2
Synonyms:	bA4204.1; C20orf31; C20orf49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC326050 representing NM_001145025.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

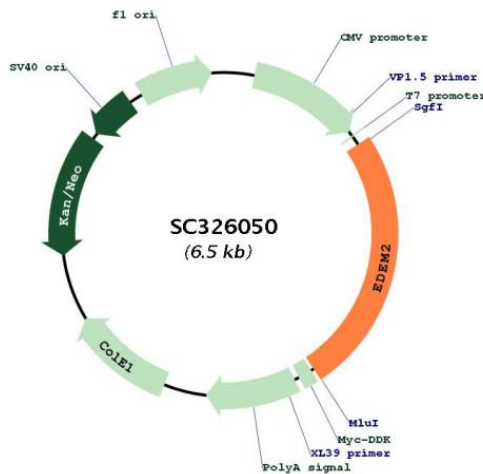
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:	NM_001145025
Insert Size:	1626 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).
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_001145025.1
RefSeq Size:	1807 bp
RefSeq ORF:	1626 bp
Locus ID:	55741
UniProt ID:	Q9BV94
Cytogenetics:	20q11.22
Protein Families:	Secreted Protein
MW:	60.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 5' coding region compared to variant 1 although maintains the reading frame. The encoded protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.</p>