

Product datasheet for **SC336631**

Complement factor 8 beta (C8B) (NM_001278544) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Complement factor 8 beta (C8B) (NM_001278544) Human Untagged Clone
Tag:	Tag Free
Symbol:	C8B
Synonyms:	C82
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336631 representing NM_001278544.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

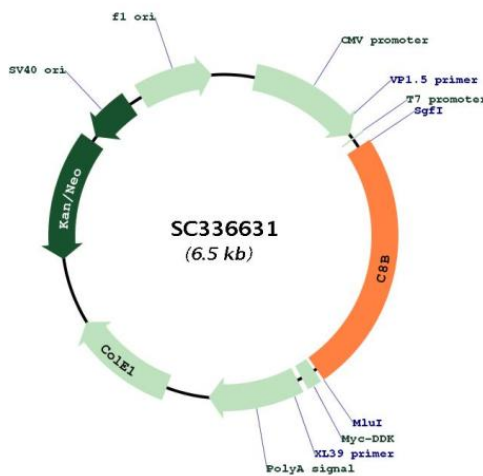
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:	NM_001278544
Insert Size:	1590 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_001278544.1
RefSeq Size:	2307 bp
RefSeq ORF:	1590 bp
Locus ID:	732
Cytogenetics:	1p32.2
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus
MW:	60.1 kDa
Gene Summary:	<p>This gene encodes one of the three subunits of the complement component 8 (C8) protein. C8 is composed of equimolar amounts of alpha, beta and gamma subunits, which are encoded by three separate genes. C8 is one component of the membrane attack complex, which mediates cell lysis, and it initiates membrane penetration of the complex. This protein mediates the interaction of C8 with the C5b-7 membrane attack complex precursor. In humans deficiency of this protein is associated with increased risk of meningococcal infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and 5' coding region compared to variant 1. These differences cause translation initiation at an alternate AUG and result in an isoform (3) with a shorter and distinct N-terminus, compared to isoform 1.</p>