

Product datasheet for **SC335953**

ANTXR2 (NM_001286781) Human Untagged Clone

Product data:

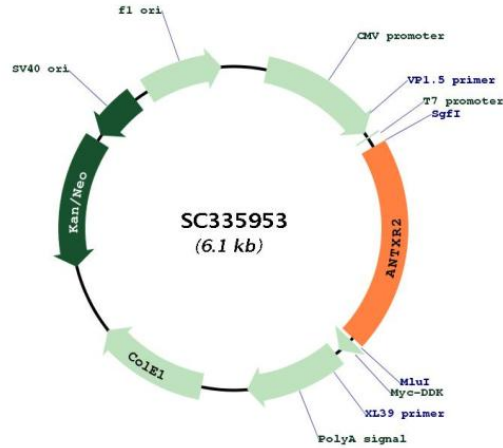
Product Type:	Expression Plasmids
Product Name:	ANTXR2 (NM_001286781) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANTXR2
Synonyms:	CMG-2; CMG2; HFS; ISH; JHF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335953 representing NM_001286781. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGAGATTATCTTTCATTGTGTTTTCTTCTCAAGCAACTATTATTTTGCCATTAAGTGGAGACAGAGGC
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001286781

Insert Size: 1236 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:

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_001286781.1](#)

RefSeq Size: 7758 bp

RefSeq ORF: 1236 bp

Locus ID: 118429

UniProt ID: [P58335](#)

Cytogenetics: 4q21.21

Protein Families: Druggable Genome, Transmembrane

MW: 44.8 kDa

Gene Summary:

This gene encodes a receptor for anthrax toxin. The protein binds to collagen IV and laminin, suggesting that it may be involved in extracellular matrix adhesion. Mutations in this gene cause juvenile hyaline fibromatosis and infantile systemic hyalinosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]

Transcript Variant: This variant (4) differs in the 5' UTR and coding sequence and the 3' UTR and coding sequence compared to variant 2. The resulting isoform (3) is shorter at the N-terminus and has a shorter and distinct C-terminus compared to isoform 2. Variants 3 and 4 both encode the same isoform (3). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.