

Product datasheet for **SC326581**

ANTXR2 (NM_001145794) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANTXR2 (NM_001145794) 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)



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Fully Sequenced ORF: >SC326581 representing NM_001145794
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGCGGAGCGGTCCCCGGCCCGCAGCCCCGGGAGCTGGCTGTTCCCCGGGCTGTGGCTGTTGGTGC
 TCAGCGGTCCCGGGGGCTGCTGCGCGCCAGGAGCAGCCCTCCTGCAGAAGAGCCTTTGATCTCTACTT
 CGTCCTGGACAAGTCTGGGAGTGTGGCAAATAACTGGATTGAAATTTATAATTCGTACAGCAACTTGCG
 GAGAGATTTGTGAGCCCTGAAATGAGATTATCTTTCATTGTGTTTTCTTCTCAAGCAACTATTATTTTGC
 CATTAAGTGGAGACAGAGGCAAAATCAGTAAAGGCTTGGAGGATTTAAAACGTGTAGTCCAGTAGGAGA
 GACATATATCCATGAAGGACTAAAGCTAGCGAATGAACAAATTCAGAAAGCAGGAGGCTTAAAACTCC
 AGTATCATAATTGCTCTGACAGATGGCAAGTTGGACGGTCTGGTCCATCATATGCAGAGAAAGAGGCAA
 AGATATCCAGGTCAGTTGGGCTAGTGTATTATTGTGTTGGTGCCTTGATTTTGAACAAGCACAGCTTGA
 AAGAATTGCTGATTCCAAGGAGCAAGTTTTCCCTGTCAAAGGTGGATTTCAAGGCTCTAAAGGAATAATT
 AATTCTATACTAGCTCAGTCATGTACTGAAATCCTAGAATTGCAGCCCTCAAGTGTCTGTGTGGGGGAGG
 AATTTTCAGATTGTCTTAAGTGAAGAGGATTCATGCTGGGCACTCGGAATGGCAGTGTCTCTGCACTTA
 CACTGTAATGAAACATATACAACGAGTGTAAAACAGTAAAGTGTACAGCTTAATTCTATGCTTTGTCTT
 GCACCTATCCTGAATAAAGCTGGAGAACTCTTGATGTTTCAGTGAAGCTTAAATGGAGGAAAACTGTCA
 TTTCAAGGATCATAATTGTCACAGCCACAGAATGTTCTAACGGATCGCAGCCATCATTGTTATTTTGGT
 GTTACTGCTACTCCTGGGATCGGTTTGTGTTGGTGGTTTTGGCCCTTTGCTGCAAAGTGGTTATTAAG
 GATCCTCCACCACCACCCGCCCTGCACAAAAGAGGAGGAAGAAGAACCCTTGCCTACTAAAAAGTGGC
 CAACTGTGGATGCTTCTATTATGGTGGTTCGAGGGTTGGAGGAATTAAGAATGGAGGTTCTGTTGGGG
 TGATAAAGGATCTACTGAGGAAGGTGCAAGGCTAGAGAAAAGCCAAAAATGCTGTGGTGAAGATTCTGAA
 GAAACAGAGGAACCCATCAGGCCTAGACCACCTGACCCAAACCCACACACCAGCCTCCTCAGACAAAAT
 GGTACACCCCAATTAAGGGTCGTCTTGATGCTCTCTGGGCTTTGTTGAGGCGGCAGTATGACCGGGTTTC
 TTTGATGCGACCTCAGGAAGGAGATGAGGTTTGTATATGGGAATGATTGAGAAAGAGCTAACTGCTTGA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Please inquire

ACCN: NM_001145794

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001145794.1 , NP_001139266.1
RefSeq Size:	2314 bp
RefSeq ORF:	1470 bp
Locus ID:	118429
UniProt ID:	P58335
Cytogenetics:	4q21.21
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) encodes the longest isoform (2).</p>