

Product datasheet for **SC102620**

ANTXR2 (AY040326) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANTXR2 (AY040326) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANTXR2
Synonyms:	CMG-2; CMG2; HFS; ISH; JHF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AY040326, the custom clone sequence may differ by one or more nucleotides

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ATGGTGGCGGAGCGGTCCCCGGCCCGCAGCCCCGGGAGCTGGCTGTTCCCCGGGCTGTGGCTGTTGGTGC
TCAGCGGTCCCGGGGGGCTGCTGCGCGCCAGGAGCAGCCCTCCTGCAGAAGAGCCTTTGATCTCTACTT
CGTCTGGACAAGTCTGGGAGTGTGGCAAATAACTGGATTGAAATTTATAATTCGTACAGCAACTTGGC
GAGAGATTTGTGAGCCCTGAAATGAGATTATCTTTCATTGTGTTTTCTTCTCAAGCAACTATTATTTGC
CATTAAGTGGAGACAGAGGCAAAATCAGTAAAGGCTTGGAGGATTTAAAACGTGTTAGTCCAGTAGGAGA
GACATATATCCATGAAGGACTAAAGCTAGCGAATGAACAAATTCAGAAAGCAGGAGGCTTAAAACTCC
AGTATCATAATTGCTCTGACAGATGGCAAGTTGGACGGTCTGGTCCATCATATGCAGAGAAAGAGGCAA
AGATATCCAGGTCACTTGGGGCTAGTGTATTATTGTGTTGGTGTCCCTTGATTTTGAACAAGCACAGCTTGA
AAGAATTGCTGATTCCAAGGAGCAAGTTTTCCCTGTCAAAGGTGGATTTCAAGGCTCTTAAAGGAATAATT
AATTCTTCAACGGGATCGCAGCCATCATTGTTATTTGGTGTACTGCTACTCCTGGGGATCGGTTTGA
TGTGGTGGTTTTGGCCCCTTTGCTGCAAAGTGGTTATTAAGGATCCTCCACCACCACCCCCCTGCACC
AAAAGAGGAGGAAGAAGAACCTTTGCCTACTAAAAAGTGGCAACTGTGGATGCTTCTATTATGGTGGT
CGAGGGGTTGGAGGAATTAAGAATGGAGTTCGTTGGGGTGATAAAGGATCTACTGAGGAAGGTGCAA
GGCTAGAGAAAGCAAAAATGCTGTGGTGAAGATTCCTGAAGAAACAGAGGAACCCATCAGGCCTAGACC
ACCTCGACCCAAACCCACACACCAGCCTCCTCAGACAAAATGGTACACCCCAATTAAGGGTCGTCTTGAT
GCTCTCTGGGCTTTGTTGAGGCGCAGTATGACCGGGTTTCTTTGATGCGACCTCAGGAAGGAGATGAGG
TTTGTATATGGGAATGTATTGAGAAAGAGCTAACTGCTTGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for AY040326 unedited AATTCCGGCACCAGGGACTTCAGCCCTCCAGGCGGGGTGGGTTCCAGGTCCGGGTCCGAGG CGGGCGCTGGAGGCTCGGCCCCAGGCCGAGAGGAACTCCTTTCCGGAGCTGTCGCCGTG GGCCCGCATTGTCTGCAGGAACTCTCCGGAATCGGGAGGGGGAGGACTGGATCGCGCTTC CACTGGGATTCGTC AAGAGTTCCGGCGGCAGCTGCGGCCGTGGCGGAGACTCCCTTTGTC CTCTCAGGACCTCCCTCTCTCCCTCCCTGTCAGCTGGTGGTCCCCTGCCGAGGGCGCC GGCGTCTCAGCTGCTCGCCGCCCCACCCAGAGTGCGTGCAGGGTACTCCCGCCACC TTTGCGACCCCTCCTGAGCTTAGGGGACTGCGAGCGGGAGGGAGTCTCAGGCCCCCGGCC CAGGATGGTGGCGGAGCGGTCCCGGCCCGCAGCCCGGGAGCTGGCTGTTCCCGGGCT GTGGCTGTTGGTCTCAGCGGTCCCGGGGGCTGCTGCGCGCCAGGAGCAGCCCTCCTG CAGAAGAGCCTTTGATCTCTACTTCGTCCTGGACAAGTCTGGGAGTGTGGCAAATAACTG GATTGAAATTTATAATTTCTACAGCAACTTCCGGAGAGATTTGTGAGCCCTGAAATGAG ATTATCTTTCATTGGGTTTTCTCTCAAGCACTATTATTTGCCATTAAGTGGAGACAGA GGCANAATCAGTAAAGGCTTGGAGGATTAACCGTGTAGTCCAGA
Restriction Sites:	NotI-NotI
ACCN:	AY040326
Insert Size:	4000 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:	AY040326.1 , AAK77222.1
RefSeq Size:	1343 bp
RefSeq ORF:	1161 bp
Locus ID:	118429
Cytogenetics:	4q21.21
Domains:	VWA
Protein Families:	Druggable Genome, Transmembrane

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]