

Product datasheet for RC238058

ANTXR2 (NM_001286780) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANTXR2 (NM_001286780) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANTXR2
Synonyms:	CMG-2; CMG2; HFS; ISH; JHF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238058 representing NM_001286780 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGATTATCTTTCATTGTGTTTTCTTCTCAAGCAACTATTATTTTGCATTAAGTGGAGACAGAGGCA
AAATCAGTAAAGGCTTGGAGGATTTAAAACGTGTTAGTCCAGTAGGAGAGACATATCCATGAAGGACT
AAAGCTAGCGAATGAACAAATTCAGAAAGCAGGAGGCTTAAAAACCTCCAGTATCATAATTGCTCTGACA
GATGGCAAGTTGGACGGTCTGGTGCCATCATATGCAGAGAAAGAGGCAAGATATCCAGGTCACCTGGGG
CTAGTGTTTATTGTGTTGGTGTCCTTGATTTTGAACAAGCACAGCTTGAAGAATTGCTGATTCCAAGGA
GCAAGTTTTCCCTGTCAAAGGTGGATTTTCAGGCTCTAAAGGAATAATTAATTCTATACTAGCTCAGTCA
TGTAAGGATTCCTAGAATTGCAGCCCTCAAGTGTCTGTGTGGGGGAGGAATTTTCAGATTGTCTTAAGTG
GAAGAGGATTCATGCTGGGCAGTCGGAATGGCAGTGTTCTCTGCACCTTACACTGTAATGAAACATATAC
AACGAGTGTAAAACAGTAAGTGTACAGCTTAATTCTATGCTTTGCTCCTGCACCTATCCTGAATAAAGCT
GGAGAACTCTTGATGTTTCAGTGAGCTTAATGGAGGAAAATCTGTCATTTTCAGGATCATTAAATGTCA
CAGCCACAGAATGTTCTAACGGGATCGCAGCCATCATTGTTATTTGGTGTACTGCTACTCTGGGGAT
CGGTTTGATGTGGTGGTTTTGGCCCTTTGCTGCAAAAGTGGTTATTAAGGATCCTCCACCACCACCCGCC
CCTGCACCAAAAAGAGGAGGAAGAAGAACCTTTGCCTACTAAAAAGTGGCCAAGTGTGGATGCTTCTTATT
ATGGTGTGCGAGGGGTTGGAGGAATTAAGAATGGAGGTTTCGTTGGGGTGATAAAGGATCTACTGAGGA
AGGTGCAAGGCTAGAGAAAGCCAAAAATGCTGTGGTGAAGATTCTGAAGAAACAGAGGAACCCATCAGG
CCTAGACCACCTCGACCAAAACCCACACACCAGCCTCCTCAGACAAAATGGTACACCCCAATTAAGGGTC
GTCTTGATGCTCTCTGGGCTTTGTTGAGGCGGCAGTATGACCGGGTTTCTTTGATGCGACCTCAGGAAGG
AGATGAGGGCCGGTGCATAAACTTCTCCGAGTTCATCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1233 bp
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001286780.2
RefSeq Size:	7221 bp
RefSeq ORF:	1236 bp
Locus ID:	118429
UniProt ID:	P58335
Cytogenetics:	4q21.21
Protein Families:	Druggable Genome, Transmembrane
MW:	45.3 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]