

Product datasheet for **RN208803**

Arnt2 (NM_012781) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arnt2 (NM_012781) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arnt2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208803 representing NM_012781
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAACCCCGCCGCGTCAACCCTCCGAAATGGCTTCAGACATACCTGGATCTGTGACCTTGCTG
 TTGCCCCATGGCGGCCACGGGACAGGTGAGAATGGCAGGGCCATGCCTGCCCGAGGAGAAAGCGGCG
 ATCCGGAATGGACTTTGATGACGAAGATGGTGAAGGTCCAGTAAATTTCAAGAGAGAACCACAGTGAG
 ATTGAGCGGCGCAGGCGGAACAAGATGACTCAATATATTACGAACTCTCCGACATGGTTCCACCTGCA
 GTGCACTAGCTAGGAAGCCAGACAAGCTCACCATTCTACGCATGGCGGTCTCACACATGAAGTCCATGAG
 GGGCACCGGCAACAAATCTACTGACGGCGCATATAAGCCTTCCTCCTCACTGAGCAGGAACTGAAGCAT
 CTCATCCTTGAAGCTGCTGACGGATTTCTGTTTGGTGGCTGCCGAGACAGGGAGAGTAATCTACGTGT
 CTGATTCTGTCACTCCTGCTGAACCAGCCACAGTCAGAGTGGTTTGGGAGCACACTCTATGAACAGGT
 GCACCCTGATGACGTGGAGAACTGAGAGAACAGCTGTGTACTTCAGAAAACCTCATGACAGGCCGCATC
 CTAGACCTGAAGACTGGGACAGTGAAGAAGGAGGGACAGCAGTCGTCCATGCGCATGTGTATGGGCTCCC
 GCGCTCCTTCATCTGTAGAATGAGGTGTGAAATGCTCCCTTGACCACCTGCCTTTGAACAGAATAAC
 CACCATGAGGAAAAGGTTGAGGAATGGCCTTGCCCTGTGAAAGAAGGAGAAGCCCAATATGCCGTGGTC
 CACTGCACAGGTTACATCAAGGCTTGCCACCAGCAGGAATGAGCATACCCGAAGAAGATGCTGATGTTG
 GACAAGGCAGTAAATATTGCCTTGTGGCAATCGGGAGGCTCCAGGTGACCAGCTCTCCTGTGTGCATGGA
 CATGAGTGGCATGTCAGTGCCACGGAGTTCCTGTCTCGGCATAACTCTGATGGGATCATCACGTTTGTA
 GACCAAGATGCATCAGTGTGATTGGCTACCAGCCCCAGGACCTTCTGGGAAAAGATATTTTGAATTCT
 GCCACCCTGAGGATCAGAGCCACTACGGGAGAGCTTCCAGCAGGTGGTTAAACTGAAGGGCCAAGTGCT
 GTCGGTCATGTACAGGTTCCGCACCAAGAACCAGGAGTGGCTGTTGATCCGCACCAGCAGCTTCACCTTC
 CAGAACCCTACTCTGATGAGATCGAGTATGTCATCTGCACCAACACCAACGTCAGCAACTTCAGCAGC
 AGCAGGCAGAGCTGGAGGTACACCAGCAGAGACGGGCTGTCATCATATGACTTGTCTCAGTCCCAGTACC
 CAACCTACCCACTGGTGTTCATGAGGCAGGGAAGCCTGTGAAAAGGCAGATGCGATCTTCTCCCAAGAG
 AGAGACCCTCGTTTTGCTGAGATGTTTGCAGGCATCAGTGCATCGGAGAAGAAGATGATGAGCTCAGCCT
 CAGCATCCGGCAGCCAGCAGATCTACTCCAAGGAAGTCCATTCCCTGCCGGGCACTCGGCAAGGCCTT
 CAGCTCTTCTGTGGTCCATGTGCCTGGAGTGAATGACATTCAGTCTCCTCCTCAACGGGCCAGAACATA
 TCCAGATCTCCGGCAGCTGAACCAGGGCCAGGTGGCATGGACAGGCAGCCGTCACCCCTCCAGGGC
 AGCCCAGCAAGACGCAGTCATCTGCCTTCGGAATTGGATCAAGCCACCCCTACCCAGCCGACCTTCATC
 CTACAGTCTCTCTCCAGCCAGCTGCCTCCTCACAAGCGGAAACGCATACCCAGTCTTGCCAACAGG
 ACTCCAGGGTTTGTGAGAGTGGACAGAGTGGAGGGCAATTCAGGGCCGGCCCTCAGAGGTCTGGTCCC
 AGTGGCAGAGCCAGCATCACGGACAGCAGAGCGGTGAGCAGCACTCCACCAGCAGCCTGGCCAGACTGA
 AGTGTTCAGGACATGCTACCATGCCGGGCGACCCGACGCAGGGGACTGGCAACTATAACATCGAGGAC
 TTTGCTGACCTGGGCATGTTCCCTCCATTTTCTGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_012781

Insert Size: 2139 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:	<u>NM_012781.3</u> , <u>NP_036913.3</u>
RefSeq Size:	6231 bp
RefSeq ORF:	2139 bp
Locus ID:	25243
UniProt ID:	<u>Q78E60</u>
Cytogenetics:	1q31
Gene Summary:	Transcription factor that plays a role in the development of the hypothalamo-pituitary axis, postnatal brain growth, and visual and renal function. Specifically recognizes the xenobiotic response element (XRE).[UniProtKB/Swiss-Prot Function]