

Product datasheet for MC215843

Armt1 (NM_024261) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Armt1 (NM_024261) Mouse Untagged Clone
Tag: Tag Free
Symbol: Armt1
Synonyms: 1700052N19Rik; AW320013; AW536799
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215843 representing NM_024261
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGAGTCCCCGGCGTTTCTTCCGCTAAGGACGAGGGTCTTTGCATATCTTACGATTAAGGACA
 GAACACCCGAGATCTTAACCAAGGTTATTGATACATTGCATCGACATAAAAGTGAATTTTTGAAAAACA
 TGGAGAGGAAGGCATTGAAGCTGAAAAGAAAGCCATCTCTTTCTTAAATTACGGAATGAACCTGCAG
 ACAGACAAACCAATCACCCCTTGGTGGACAAGTGTGACACCCACATATGGAATCAATACCTGGAGT
 ATCAGCGGAGCCTTTTAAATGAAGGCGATGGGGAGCCACGCTGGTCTTCTCACCCCTGGTTGTTGTAGA
 GTGCTACATGTATCGGAGAATTCATGAAGCCATCATGCAGAGTCCGCAATCCATGACTTCGACGTGTT
 AAGGAAAGCAAAGAGGAGAACTTCTCGAGTCGCAGGGCTCCATCGATGCTCTGTGTTACACCTGCTGC
 AGCTGAAGCCCGTCAAAGGCCTCAGGGAAGAGCAGATCCAGGATGAGTCTTTAACTCCTGCAGATTTCT
 CCTCTGGGGGAATAAGTGTGATCTGTCTCTCAGGTGGAGAAAGTAGTCTCAGAAGGCCAATAATA
 AATTGTTTGAAGACCTAAAGCCATTCAATTTGATAAATGACACAGAATCTCTGGGCATTGCTCAGTA
 AGTTAAAGAAAACAGTAGAAACGCCCGTAGTTAGAGTAGACATTTGTTCTGGATAATTCTGGCTTTGAAT
 GATTACGGATTTAGTATTGGCGGACTTTTTATTTTCTCGGAGTTAGCTACTGAGATTCATTTCCATGGG
 AAAAGCATCCCATGGTTTGTGTCTGACGTTACTGAGCATGACTTTAATTGGATAGTTGAGCACATGAAGA
 GCAGCAATCTGGAGTCCATGTCCACCTGTGGGCTGCTGGGAGGCTATGCTAGGATGGGGAGGTGGGC
 TTACCACGACCATGCATTTTGGACTCTGCCTCATCCATATTGTGTGATGCCCCAGGTCGCCCTGACTTA
 TACGCTGAACTGCAAAAGGCACATCTTATTTTATTCAAGGGAGATTTGAATTATAGGAAGCTGATGGGTG
 ACAGAAAATGGAAGTTCACCTTTCCGTTCCATCAGGCTCTGAGTGGCTTCCACCCTGCACCTCTCTGTAG
 CATAAGGACATTAAGTGCAGCTTCAAGTTGGTCTGCAGCTGGGCAGGCGGAGCAGCTCACGGCTCT
 GATCCCCACTGGCTGACCACTGGCAGGTATGGAATATTGCAGTTGATGGCCACTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_024261
Insert Size:	1320 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_024261.2</u> , <u>NP_077223.2</u>
RefSeq Size:	2318 bp
RefSeq ORF:	1320 bp
Locus ID:	73419
UniProt ID:	<u>A6H630</u>
Cytogenetics:	10 A1
Gene Summary:	Metal-dependent phosphatase that shows phosphatase activity against several substrates, including fructose-1-phosphate and fructose-6-phosphate (By similarity). Its preference for fructose-1-phosphate, a strong glycating agent that causes DNA damage rather than a canonical yeast metabolite, suggests a damage-control function in hexose phosphate metabolism (By similarity). Has also been shown to have O-methyltransferase activity that methylates glutamate residues of target proteins to form gamma-glutamyl methyl ester residues (By similarity). Possibly methylates PCNA, suggesting it is involved in the DNA damage response (By similarity).[UniProtKB/Swiss-Prot Function]