

Product datasheet for **SC322283**

C6orf211 (ARMT1) (NM_024573) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf211 (ARMT1) (NM_024573) Human Untagged Clone
Tag:	Tag Free
Symbol:	C6orf211
Synonyms:	C6orf211
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for SC322283

GGAAAGTGATGGCTGTCGTCGCCGGCGTCTCTCTCAGGACAGGACGTGGGATCATTTCGATC
ATCTTACAATTAAGACAGAATACCACAGATCTTAACCTAAGGTTATTGATACATTGCATC
GACATAAAAGTGAATTTTTTGTGAGAAACACGGAGAGGAAGGCGTGGAAGCTGAAAAGAAAG
CTATCTCTCTCCTTTCTAAATTACGGAATGAATTGCAACAGATAAACCAATTTATCCGCT
TGGTTGAGAAATTTGTTGATACTGATATATGGAATCAGTACCTAGAATATCAACAGAGTC
TTTTAAATGAAAGTGATGGAAAATCAAGATGGTTCTACTACCGTGTTGTTGGTAGAAT
GTTACATAGATCGAAGAATTCATGAAGCAATTATCCAGAGTCCACCAATCGATTACTTTG
ATGATATTTAAAGAATCAAAAGAGCAAAATTTCTATGGGTCACAGGAATCCATCATTGCTT
TAGTACTCACCTGCAACAATTGTATAAGAACTATTGAAGACCTCTATGAAATCAGCTGA
AAGATGAGTTTTTTTTAAACTTCTGCAGATTTTCACTGTGGGAAAAAAGTGATCTGTCTC
TCTCAGGTGGAGAAAGTAGTTCTCAGAATACCAATGTACATAAATTCATTGGAAGACCTAA
AACCTTTCATTTTATTGAATGATATGGAACATCTTTGGTCATTGCTTAGCAATTGCAAGA
AAACAAGAGAAAAAGCTTCTGCTACTAGAGTGTATATTGTTCTCGATAATTCTGGATTTG
AGCTTGTTACAGATTTAATATTAGCCGACTTCTTGTTGTCCTCTGACTGGCTACTGAGG
TTCATTTTTATGAAAAACAATTCATGGTTTGTTTCTGATACTACTATACATGATTTTA
ATTGGTTAATTGAACAGGTAACACAGTAATCATAAGTGGATGTCCAAGTGTGGGCTG
ACTGGGAAGAGTATATTAATAATGGGTAAATGGGTTTACCACAATCATATATTTGGACT
TGCCTCATGAGTACTGTGCAATGCCTCAGGTTGCACCTGACTTATATGCTGAACTACAGA
AGGCACATTTAATTTTATTCAAGGGTGATTGTGAATTACAGGAAGTTGACAGGTGACAGAA
AATGGGAGTTTTCTGTTCCATTTTCATCAGGCTCTGAATGGCTTCCATCCTGCACCACTCT
GTACCATAAGAACATTAAAGCTGAAATTCAGGTTGGTCTGCAGCCTGGGCAAGGGGAAC
AGCTCCTGGCCTCTGAGCCCACTGGTGGACCATTGGAATATGGAATATTTTCAGTACG
ATGGTCCCCTTTGACTTTAGTATTAGGAGCTCTCAGTTGCGCTACAGAAAGATCTGGTGAGCCT
TTTTATCCCCAGAAAAGGAGCAGCTGAATTTAGTGCCTGGCGCTGCGCTCTGACGCTCA
GGGAAGCTTAGCTTCTTGGTGCCCATCTACGTGCACTGGATGATTTTTCTTTTGAACATT
TTGCCCACTACACTGTTTTGGGGATAGCTGGGTTAAGCAAGTTAAAGATATTTACATT
ATATTGGAATTTTAGCACTTTTTTTTCAGGTAAATATATAATTTCAAGTGCTTTTAATG
AACTATTTTTAATTGGCTAGGGAGCAAAAAAAGTGAGTTCTGCTTTTAGTTAGTTAA
CCTTGTTCTTTTCTAAATAGTACACTGCATGGTATTTAATATTCAGGAAGCATGGGAT
TTTATTTTGCTTGATTTTGGGCACATGAAATAAGTCTAGGAAAATGCGCATCTTAAT
GACTCTTTGTAAAGAGAGGCATTTCTTACAACTGTGATGTTTGCTTACATAAAAGTTACC
TCATAAGTTAATTCTAACTTTTATTCTTGAATTTATTTTCATTTCAATAGCTTGTTTCAT
TTGCACGCCTTTGTATTTTGATTGACCTGTAGAATGGATGTTAGGAAACTCAAAATTGAA
CACAGTGAAACAAATGGTATTTGAAGAAATGTAATATCTTTTATATTCTATTTATGATAT
CCATAATCAAATGAGATTATTTTACCACATAAATGTTTTAAATATCAGATTTTTAGTTTG
CAGTTTTAGGAAAATGCTTTTAGATAGAAAAGGTTCTTATGCATTGAATTTGGAGTACTAC
CAACAATGAATGAATTTATTTTTTATATTCTACACATTTTATTGGTCATTGTCCAGAT
AGTAATAACTAAAAATTTACAGTCAGTTGTGTTTTGAAACTGAAATTGAAATTAATCTCG
AAATGTTTTGTTGCACTAAAATAATAAAATGAATTGTACTGAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:

NM_024573

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).

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:	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_024573.1 , NP_078849.1
RefSeq Size:	2572 bp
RefSeq ORF:	1326 bp
Locus ID:	79624
UniProt ID:	Q9H993
Cytogenetics:	6q25.1
Domains:	DUF89
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 (PubMed:25732820). Possibly methylates PCNA, suggesting it is involved in the DNA damage response (PubMed:25732820).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).