

## Product datasheet for **SC302472**

### ARMETL1 (CDNF) (NM\_001029954) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARMETL1 (CDNF) (NM_001029954) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARMETL1
Synonyms:	ARMETL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001029954 edited AGGCGATTGAAGCTGCTGGCCCAGCATGTGGTGC GCGAGCCCAGTTGCTGTGGTGGCCTT TTGCGCCGGGCTTTTGGTCTCTCACCCGGTGCTGACGCAGGGCCAGGAGCCGGGGGCG GCCAGGGGCCACTGTGAAGTATGTAAAGAATTCTTGAACCGATTCTACAAGTCACTGAT AGACAGAGGAGTTAACTTTTCGCTGGACACTATAGAGAAAAGAATTGATCAGTTTTTGCTT GGACACCAAAGGAAAAGAAAACCGCCTGTGCTATTATCTAGGAGCCACAAAAGACGCAGC CACAAAGATCCTAAGTGAAGTCACTCGCCCAATGAGTGTGCATATGCCTGCAATGAAGAT TTGTGAGAAGCTGAAGAAGTTGGATAGCCAGATCTGTGAGCTGAAATATGAAAAAACT GGACTTGGCATCAGTTGACCTGCGGAAGATGAGAGTGGCAGAGCTGAAGCAGATCCTGCA TAGCTGGGGGAGGAGTGCAGGGCCTGTGCAGAAAAAACTGACTATGTGAATCTCATTCA AGAGCTGGCCCCAAGTATGCAGCGACACCCCCAAAACAGAGCTCTGATCTCCAATGCC AGCACATTTGTG
Restriction Sites:	Please inquire
ACCN:	NM_001029954
Insert Size:	600 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001029954.2.



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001029954.2</u> , <u>NP_001025125.2</u>
<b>RefSeq Size:</b>	1330 bp
<b>RefSeq ORF:</b>	564 bp
<b>Locus ID:</b>	441549
<b>UniProt ID:</b>	<u>Q49AH0</u>
<b>Cytogenetics:</b>	10p13
<b>Gene Summary:</b>	Trophic factor for dopamine neurons. Prevents the 6-hydroxydopamine (6-OHDA)-induced degeneration of dopaminergic neurons. When administered after 6-OHDA-lesioning, restores the dopaminergic function and prevents the degeneration of dopaminergic neurons in substantia nigra (By similarity).[UniProtKB/Swiss-Prot Function]