

Product datasheet for **SC319116**

GET3 (NM_004317) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GET3 (NM_004317) Human Untagged Clone
Tag: Tag Free
Symbol: GET3
Synonyms: ARSA-I; ARSA1; ASNA-I; ASNA1; TRC40
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004317.2
AATGGCGGCAGGGGTGGCCGGTGGGGGTTGAGGCAGAGGAGTTCGAAGATGCTCCTGA
TGTGGAGCCGCTGGAGCCTACACTTAGCAACATCATCGAGCAGCGCAGCCTGAAGTGGAT
CTTCGTCGGGGCAAGGGTGGTGTGGGCAAGACCCTGCAGCTGCAGCCTGGCAGTCCA
GCTCTCCAAGGGGCGTGAGAGTGTCTGATCATCTCCACAGACCCAGCACACAACATCTC
AGATGCTTTTGACCAGAAGTTCTCAAAGGTGCCTACCAAGGTCAAAGGCTATGACAACT
CTTTGCTATGGAGATTGACCCAGCCTGGGCGTGGCGGAGCTGCCTGACGAGTTCCTCGA
GGAGGACAACATGCTGAGCATGGGCAAGAAGATGATGCAGGAGGCCATGAGCGCATTTCC
CGGCATCGATGAGGCCATGAGCTATGCCGAGGTCATGAGGCTGGTGAAGGGCATGAACTT
CTCGGTGGTGGTATTTGACACGGCACCCACGGGCCACACCCTGAGGCTGCTCAACTCCC
CACCATCGTGGAGCGGGCCTGGGCCGGCTTATGCAGATCAAGAACCAGATCAGCCCTTT
CATCTCACAGATGTGCAACATGCTGGGCCCTGGGGACATGAACGCAGACCAGCTGGCCCTC
CAAGCTGGAGGAGACGCTGCCCGTCATCCGCTCAGTCAGCGAACAGTTCAAGGACCTGA
GCAGACAACTTTTCATCTGCGTATGCATTGCTGAGTTCCTGTCCCTGTATGAGACAGAGAG
GCTGATCCAGGAGCTGGCCAAGTGAAGATTGACACACACAATAAATTGTCAACCAGCT
CGTCTTCCCCGACCCCGAGAAGCCCTGCAAGATGTGTGAGGCCCGTCACAAGATCCAGGC
CAAGTATCTGGACCAGATGGAGGACCTGTATGAAGACTCCACATCGTGAAGCTGCCGCT
GTTACCCCATGAGGTGCGGGGGCAGACAAGGTCAACACCTTCTCGGCCCTCCTCCTGGA
GCCCTACAAGCCCCCAGTGCCAGTAGCACAGCTGCCAGCCCCAACCCGCTGCCATTTCA
CACTCACCTCCACCCTCCCCACCCCTCGGGGACAGAGTTTGCACAAAGTCCCCCCATA
ATACAGGGGGAGCCACTTGGGCAGGAGGAGGGAGGGTCCATTCCCCCTGGTGGGGCTG
GTGGGGAGCTGTAGTTGCCCCCTACCTCTCCACCTCTTGCTCTTCAATAAAATGATCTT
AAACTGCAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_004317



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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:	<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_004317.2</u> , <u>NP_004308.2</u>
RefSeq Size:	1298 bp
RefSeq ORF:	1047 bp
Locus ID:	439
UniProt ID:	<u>O43681</u>
Cytogenetics:	19p13.13
Domains:	ArsA_ATPase
Gene Summary:	<p>This gene represents the human homolog of the bacterial <i>arsA</i> gene, encoding the arsenite-stimulated ATPase component of the arsenite transporter responsible for resistance to arsenicals. This protein is also a central component of a transmembrane domain (TMD) recognition complex (TRC) that is involved in the post-translational delivery of tail-anchored (TA) proteins from the cytosol to the endoplasmic reticulum (ER). It recognizes and selectively binds the TMD of TA proteins in the cytosol, and delivers them to the ER for insertion.</p> <p>[provided by RefSeq, Oct 2011]</p>