

Product datasheet for **SC332145**

TUG (ASPCR1) (NM_001251888) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TUG (ASPCR1) (NM_001251888) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUG
Synonyms:	ASPCR1; ASPL; ASPS; RCC17; TUG; UBXD9; UBXN9
Vector:	pCMV6-Entry (PS100001)



[View online »](#)

Fully Sequenced ORF: >SC332145 representing NM_001251888.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGGCCCCGGCAGGCGGGGAGGCTCCGCGGTGTGCGTGCTGGCCCCGAACGGCCGGCGCCACAG
GTGAAGGTGACGCCGAGCACCGTGTCTCAGTTCTGGAGGACACGTGCCGGCGCAGGACTTCAAC
CCCTGTGAATATGATCTGAAGTTTCAGAGGAGCGTGTCTCGACCTTCTCAGTGGAGATTTGCCAAC
CTGCCCAACAATGCCAAGCTGGAGATGGTGCCCGCTTCCGGAGCCGTGAGGGCCCTGAGAACATGGTT
CGCATCGCTTTGCAGCTGGACGATGGCTCGAGGTTGCAGGACTCTTTCTGTTTCAGGCCAGACCCTCTGG
GAGCTTCTCAGCCATTTTCCACAGATCAGGGAGTGCCTGCAGCACCCCGCGGGGCCACCCAGTCTGC
GTGTACACGAGGGATGAGGTGACGGGTGAAGTGCCTGCGGGGCACGACGCTGCAGTGCCTGGGCTG
ACCGGGGGCAGCGCCACCATCAGGTTTGTGATGAAGTGTACGACCCCGTGGGCAAGACCCAGGAAGC
CTGGGCTCGTCAAGCTGGTGGCCAGGACGCCAGCGCTCCACTTCCCTTGAATCTGGGGAGCTC
AGCCGCGCGGACTTGAGCCGTCCGGAGGACGCGGACACCTCAGGGCCCTGCTGCGAGCACACTCAGGAG
AAGCAGAGCACAAGGGCACCCGAGCTGCCCCCTTGTTCCTTTCTCGGTGGGGACAGAGACTGGGG
GGCCCTCTGGGCCACGAGGCCTGACATCATCTTCAGCTAAGTTGCCGAAGTCCCTCTCCAGCCCT
GGAGGCCCTCCAAGCCAAGAAGTCCAAGTCCGGCCAGGATCCCCAGCAGGAGCAGGAGCAGGAGCGG
GAGCGGGATCCCCAGCAGGAGCAGGAGCGGGAGCGGCCCTGGACCGGGAGCCCTGGACCGGGAGCCG
GTGGTGTGCCACCCGACCTGGAGGAGCGGCTGCAGGCCTGGCCAGCGGAGCTGCCTGATGAGTTT
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GCCCCCTTGGTGACCAAGGCCTTCAGGGAGGCGCAGATAAAGGAGAAGCTGGAGCGCTACCCAAAGTG
GCTCTGAGGGTCTGTTCCCGACCGCTACGTCCTACAGGGCTTCTTCCGCCACGAGACAGTGGGG
GACTTGCAGACTTCGTGAGGAGCCACCTGGGGAACCCGAGCTGCATTTTACCTGTTTCATCACCCCT
CCAAAAACAGTCTGGACGACCACAGCAGACCCTTTTCAGCCCCAGCTTGGTGACCGGTGGCTCCA
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GATGGAGGCGACGTGGACTCTGGGAGGCTTCTTTTTGGGGTCCATCCAGAGGCCGAGCCTCTCCAAGC
ACTGGTCAAGCTCCATGCCACCCAGTCTGCCGACCCTCTCTCCACCATCCCCTCGTCCGAGCAGTGGC
GATCCCTCCCGAGTCAAGGCTGGGCACAAGCACGTGGGGACAGGCCGGGCGAACCTTCCCGGCCGCT
CTGGTGCAGTGGGAGCCGAGGAGCCGGCAGGTGTCTACCTGGAGCCTGGCCTGCTGGAGCATGCCATC
TCCCCATCTCGCGCCGATGTGCTGGTGGCCAGGTACATGTCCAGGGCCGCGGGTCCCCTCCCCATTG
CCAGCCCCTGACCCTGCACCTAAGTCTGAGCCAGCTGCTGAGGAGGGGGCGCTGGTCCCCCTGAGCCC
ATCCCAGGGACGCCCCAGCCGTGAAGAGGAGCCTGGGCAAGGTGCCAAGTGGCTGAAGCTGCCGCCC
AGCAAGAGGTGA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001251888

Insert Size: 1944 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:

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_001251888.1](#)

RefSeq Size: 2140 bp

RefSeq ORF: 1944 bp

Locus ID: 79058

UniProt ID: [Q9BZE9](#)

Cytogenetics: 17q25.3

MW: 70 kDa

Gene Summary: The protein encoded by this gene contains a UBX domain and interacts with glucose transporter type 4 (GLUT4). This protein is a tether, which sequesters the GLUT4 in intracellular vesicles in muscle and fat cells in the absence of insulin, and redistributes the GLUT4 to the plasma membrane within minutes of insulin stimulation. Translocation t(X;17) (p11;q25) of this gene with transcription factor TFE3 gene results in a ASPSCR1-TFE3 fusion protein in alveolar soft part sarcoma and in renal cell carcinomas. Multiple alternatively spliced transcript variants have been found. [provided by RefSeq, Oct 2011]
Transcript Variant: This variant (2) has an additional in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (2) is longer than isoform 1.