

Product datasheet for **SC122950**

TUG (ASPCR1) (NM_024083) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TUG (ASPCR1) (NM_024083) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUG
Synonyms:	ASPCR1; ASPL; ASPS; RCC17; TUG; UBXD9; UBXN9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024083 edited
 AAATGGCGGCCCCGGCAGGCGGGGAGGCTCCGCGGTGTCGGTGTGGCCCCGAACGGCC
 GGCGCCACACGGTGAAGGTGACGCCGAGCACCGTGTCTCAGGTTCTGGAGGACACGT
 GCCGGCGGAGGACTTCAACCCCTGTGAATATGATCTGAAGTTTCAGAGGAGCGTGTCTG
 ACCTTTCTCTCCAGTGGAGATTTGCCAACCTGCCAACAAATGCCAAGCTGGAGATGGTGC
 CCGCTTCCCGGAGCCGTGAGGGGCTGAGAACATGGTTTCGCATCGCTTTGCAGCTGGACC
 ATGGCTCGAGGTTGCAGGACTCTTTCTGTTTCAGGCCAGACCCTCTGGGAGCTTCTCAGCC
 ATTTTCCACAGATCAGGGAGTGCCTGCAGCACCCCGGGGGGCCACCCAGTCTGCGTGT
 ACACGAGGGATGAGGTGACGGGTGAAGCTGCCCTGCGGGGCACGACGCTGCAGTCGCTGG
 GCCTGACCGGGGCGAGGCCACCATCAGGTTTGTTCATGAAGTGTACGACCCCGTGGGCA
 AGACCCAGGAAGCCTGGGCTCGTCAGCGTCGGCTGGCCAGGAGCCGCCAGCGCTCCAC
 TTCCCTTGAATCTGGGGAGCTCAGCCGCGGCGACTTGAGCCGTCGGGAGGACGCGGACA
 CCTCAGGGCCCTGCTGCGAGCACACTCAGGAGAAGCAGAGCACAAGGGCACCCGAGCTG
 CCCCTTTGTTCTTTCTCGGTGGGGACAGAGACAGGGGGGCCCTCTGGGCCACGA
 GGCTCTGACATCATCTTTCAGCTAAGTTGCCGAAGTCCCTCTCCAGCCCTGGAGGCCCT
 CCAAGCCAAAGAAGTCCAAGTCCGGCCAGGATCCCCAGCAGGAGCAGGAGCAGGAGCGGG
 AGCGGGATCCCCAGCAGGAGCAGGAGCGGGAGCGGCCCTGGACCGGGAGCCCGTGGACC
 GGGAGCCGGTGGTGTGCCACCCGACCTGGAGGAGCGGCTGCAGGCTGGCCAGCGGAGC
 TGCTGATGAGTTCTTTGAGTGCAGGTGACGACGTCAGGAGACGCTTGGCCAGCTCA
 AGAGTGAGCGGAAGCGCTGGAAGAAGCCCTTGGTGACCAAGGCTTCAGGGAGGCGC
 AGATAAAGGAGAAGCTGGAGCGCTACCCAAAGTGGCTCTGAGGGTCTGTTCCCGACC
 GCTACGTCCTACAGGGCTTTCCGCCCCAGCGAGACAGTGGGGACTTGCAGACTTCG
 TGAGAGCCACCTGGGGAAACCCGAGCTGTCATTTTACCTGTTTCATACCCCTCCAAAAA
 CAGTCTGGACGACCACACGACAGACCCCTTTTCAGGCGAACCTTCCCGCCGCTCTGG
 TGCACTTGGGAGCCGAGGAGCCGCGAGGTGTCTACCTGGAGCCTGGCCTGCTGGAGCATG
 CCATCTCCCCATCTGCGGCCGACGTGCTGGTGGCCAGGTACATGTCCAGGGCCGCGGGT
 CCCCTTCCCCATTGCCAGCCCTGACCCTGCACCTAAGTCTGAGCCAGCTGCTGAGGAGG
 GGGCGTGGTCCCCCTGAGCCCATCCAGGGACGGCCAGCCCGTGAAGAGGAGCTGG
 GCAAGGTGCCAAGTGGCTGAAGCTGCCGGCCAGCAAGAGGTGAGAGCTGCCAGCCTGAG
 GTGCCACTCCGCCAGCCACAGGACCACCTCTCTGCCAGCAGGAATAAAGACTTGTGCA
 TCCCTCAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_024083 unedited
 GGGTTCACATTTTGTGATACGACTCACTATAGGGCGGGGCATAAATTCCTAACGAGGAAA
 TGGCGGCCCGGCGAGGCGGGGAGGCTCCGCGGTGTCGGTGTGGCCCCGAACGGCCGGC
 GCCACACGGTGAAGGTGACGCCGAGCACCGTGTCTCAGGTTCTGGAGGACACGTGCC
 GGCGGACGACTTCAACCCCTGTGAATATGATCTGAAGTTTCAGAGGAGCGTGTCTGACC
 TTTCTCTCCAGTGGAGATTTGCCAACCTGCCAACAAATGCCAAGCTGGAGATGGTCCCG
 CTTCCCGGAGCCGTGAGGGGCTGAGAACATGGTTTCGCATCGCTTTGCAGCTGGACGATG
 GCTCGAGGTTGCAGGACTCTTTCTGTTTCAGGCCAGACCCTCTGGGAGCTTCTCAGCCATT
 TTCCACAGATCAGGGAGTGCCTGCAGCACCCCGGGGGGCCACCCAGTCTGCGTGTACA
 CGAGGGATGAGGTGACGGGTGAAGCTGCCCTGCGGGGCACGACGTCAGTCGCTGGGCC
 TGACCGGGGGCAGCGCCACCATCAGGTTTGTTCATGAAGTGTACGACCCCGTGGCAAGA
 CCCCAGGAAGCCTGGGCTCGTCAGCGTCGGCTGGCCAGGAGCCGCCAGCGCTCCACTTC
 CCTTGAATCTGGGGAGCTCAGCCGCGGCGACTTGAGCCGTCGGGAGGACGCGGACACCT
 CAGGGCCCTGCTGCGAGCACACTCAGGAGAAGCAGAGCACAAGGGCACCCGAGCTGCC
 CCCTTTGTCTTTCTCGGTGGGGACAGAGACAGGGGGGCCCTCTGGGCCAACGAGGCC
 TCTGACATCATCTTTCAGCTAAGTTGCCGAATCCCTCTCCAGCCCTGAAGGCCCTTCAA
 GCCCAAGAAGTCCAAGTA

Restriction Sites: Please inquire
ACCN: NM_024083

Insert Size:	1796 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:	NM_024083.2 , NP_076988.1
RefSeq Size:	1858 bp
RefSeq ORF:	1662 bp
Locus ID:	79058
UniProt ID:	Q9BZE9
Cytogenetics:	17q25.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the predominant protein (isoform 1).</p>