

## Product datasheet for **RC205817L4V**

### TUG (ASPCR1) (NM\_024083) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TUG (ASPCR1) (NM_024083) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TUG
Synonyms:	ASPCR1; ASPL; ASPS; RCC17; TUG; UBXD9; UBXN9
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024083
ORF Size:	1659 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205817).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_024083.2</a>
RefSeq Size:	1858 bp
RefSeq ORF:	1662 bp
Locus ID:	79058
UniProt ID:	<a href="#">Q9BZE9</a>
Cytogenetics:	17q25.3
MW:	60.2 kDa



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**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]