

Product datasheet for **RC202337L2V**

TWSG1 (NM_020648) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TWSG1 (NM_020648) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TWSG1
Synonyms:	TSG
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_020648
ORF Size:	669 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202337).
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. More info
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:	NM_020648.3
RefSeq Size:	3779 bp
RefSeq ORF:	672 bp
Locus ID:	57045
UniProt ID:	Q9GZX9
Cytogenetics:	18p11.22
Domains:	Tsg
MW:	25 kDa



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Gene Summary:

May be involved in dorsoventral axis formation. Seems to antagonize BMP signaling by forming ternary complexes with CHRD and BMPs, thereby preventing BMPs from binding to their receptors. In addition to the anti-BMP function, also has pro-BMP activity, partly mediated by cleavage and degradation of CHRD, which releases BMPs from ternary complexes. May be an important modulator of BMP-regulated cartilage development and chondrocyte differentiation. May play a role in thymocyte development (By similarity). [UniProtKB/Swiss-Prot Function]