

Product datasheet for **RC200841L2V**

TTL12 (NM_015140) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TTL12 (NM_015140) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TTL12
Synonyms:	dj526i14.2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_015140
ORF Size:	1932 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200841).
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_015140.2
RefSeq Size:	3421 bp
RefSeq ORF:	1935 bp
Locus ID:	23170
UniProt ID:	Q14166
Cytogenetics:	22q13.2
MW:	74.4 kDa



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Gene Summary:

Negatively regulates post-translational modifications of tubulin, including detyrosination of the C-terminus and polyglutamylation of glutamate residues (PubMed:20162578, PubMed:23251473). Also, indirectly promotes histone H4 trimethylation at 'Lys-20' (H4K20me3) (PubMed:23251473). Probably by controlling tubulin and/or histone H4 post-translational modifications, plays a role in mitosis and in maintaining chromosome number stability (PubMed:20162578, PubMed:23251473). During RNA virus-mediated infection, acts as a negative regulator of the DDX58/RIG-I pathway by preventing MAVS binding to TBK1 and IKBKE (PubMed:28011935).[UniProtKB/Swiss-Prot Function]