

Product datasheet for **RC204351L4V**

TYK2 (NM_003331) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TYK2 (NM_003331) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TYK2
Synonyms:	IMD35; JTK1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003331
ORF Size:	3561 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204351).
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_003331.3 , NP_003322.2
RefSeq Size:	4262 bp
RefSeq ORF:	3564 bp
Locus ID:	7297
UniProt ID:	P29597
Cytogenetics:	19p13.2
Domains:	B41, pkinase, SH2, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase



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Protein Pathways: Jak-STAT signaling pathway

MW: 133.7 kDa

Gene Summary: This gene encodes a member of the tyrosine kinase and, more specifically, the Janus kinases (JAKs) protein families. This protein associates with the cytoplasmic domain of type I and type II cytokine receptors and promulgate cytokine signals by phosphorylating receptor subunits. It is also a component of both the type I and type III interferon signaling pathways. As such, it may play a role in anti-viral immunity. A mutation in this gene has been associated with Immunodeficiency 35. [provided by RefSeq, Sep 2020]