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Product datasheet for RC217928L4V

JAK3 (NM_000215) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	JAK3 (NM_000215) Human Tagged ORF Clone Lentiviral Particle
Symbol:	JAK3
Synonyms:	JAK-3; JAK3_HUMAN; JAKL; L-JAK; LJAK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000215
ORF Size:	3372 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC217928).`
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_000215.2
RefSeq Size:	4025 bp
RefSeq ORF:	3375 bp
Locus ID:	3718
UniProt ID:	P52333
Cytogenetics:	19p13.11
Domains:	B41, pkinase, SH2, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

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Protein Pathways: Chemokine signaling pathway, Jak-STAT signaling pathway, Primary immunodeficiency

MW: 124.9 kDa

Gene Summary: The protein encoded by this gene is a member of the Janus kinase (JAK) family of tyrosine kinases involved in cytokine receptor-mediated intracellular signal transduction. It is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations in this gene are associated with autosomal SCID (severe combined immunodeficiency disease). [provided by RefSeq, Jul 2008]