

Product datasheet for **RC213858L2V**

STAT1 (NM_007315) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | STAT1 (NM_007315) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | STAT1 |
| Synonyms: | CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_007315 |
| ORF Size: | 2250 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC213858). |
| 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_007315.2 |
| RefSeq Size: | 4157 bp |
| RefSeq ORF: | 2253 bp |
| Locus ID: | 6772 |
| UniProt ID: | P42224 |
| Cytogenetics: | 2q32.2 |
| Domains: | SH2, STAT |
| Protein Families: | Druggable Genome, Transcription Factors |



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|--------------------------|---|
| Protein Pathways: | Chemokine signaling pathway, Jak-STAT signaling pathway, Pancreatic cancer, Pathways in cancer, Toll-like receptor signaling pathway |
| MW: | 87.2 kDa |
| Gene Summary: | <p>The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. The protein encoded by this gene can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. The protein plays an important role in immune responses to viral, fungal and mycobacterial pathogens. Mutations in this gene are associated with Immunodeficiency 31B, 31A, and 31C. [provided by RefSeq, Jun 2020]</p> |