

Product datasheet for **RC208592L4V**

STAT2 (NM_005419) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | STAT2 (NM_005419) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | STAT2 |
| Synonyms: | IMD44; ISGF-3; P113; PTORCH3; STAT113 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_005419 |
| ORF Size: | 2553 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC208592). |
| 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_005419.2 |
| RefSeq Size: | 4576 bp |
| RefSeq ORF: | 2556 bp |
| Locus ID: | 6773 |
| UniProt ID: | P52630 |
| Cytogenetics: | 12q13.3 |
| Domains: | SH2, STAT |
| Protein Families: | Druggable Genome, Transcription Factors |



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

MW: 97.9 kDa

Gene Summary: 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. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. The protein mediates innate antiviral activity. Mutations in this gene result in Immunodeficiency 44. [provided by RefSeq, Aug 2020]