

Product datasheet for **KN210065LP**

STAT6 Human Gene Knockout Kit (CRISPR)

Product data:

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| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control |
| Donor DNA: | Luciferase-Puro |
| Symbol: | STAT6 |
| Locus ID: | 6778 |
| Components: | <p>KN210065G1, STAT6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN210065G2, STAT6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN210065LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p> |
| RefSeq: | NM_001178078 , NM_001178079 , NM_001178080 , NM_001178081 , NM_003153 , NR_033659 |
| UniProt ID: | P42226 |
| Synonyms: | D12S1644; IL-4-STAT; STAT6B; STAT6C |
| Summary: | <p>The protein encoded by this gene is a member of the STAT family of transcription factors. 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. This protein plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]</p> |



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Product images:

