

University of Groningen

## STAT5 is required for long-term maintenance of normal and leukemic human stem/progenitor cells

Schepers, Hein; van Gosliga, Djoke; Wierenga, Albertus T. J.; Eggen, Bart J. L.; Schuringa, Jan Jacob; Vellenga, Edo

*Published in:*  
Blood

*DOI:*  
[10.1182/blood-2006-08-039073](https://doi.org/10.1182/blood-2006-08-039073)

**IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.**

*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
2007

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

Schepers, H., van Gosliga, D., Wierenga, A. T. J., Eggen, B. J. L., Schuringa, J. J., & Vellenga, E. (2007). STAT5 is required for long-term maintenance of normal and leukemic human stem/progenitor cells. *Blood*, 110(8), 2880-2888. <https://doi.org/10.1182/blood-2006-08-039073>

### Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

### Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

*Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.*

Oligo name	Sequence 5'→ 3'	Description
<b>Short hairpins</b>		
Renilla RNAi	AAACATGCAGAAAATGCTG	Target sequence of sh hairpin against Renilla Luciferase
STAT5 RNAi	GACCCAGACCAAGTTTGCA	Target sequence of sh hairpin against human STAT5 A & B
<b>Q-PCR primers</b>		
STAT5 forward	AGATGCTGGCCGAGGTCAAC	SYBR Green Q-PCR for human STAT5A and B
STAT5 reverse	AGACTTGGCCTGCTGCTCAC	SYBR Green Q-PCR for human STAT5A and B
CIS forward	CCAGGAAGAGCCAGCAAGAG	SYBR Green Q-PCR for human CIS, STAT5 target gene
CIS reverse	CAGCCCACAGGTGAGACAAG	SYBR Green Q-PCR for human CIS, STAT5 target gene
SOCS1 forward	GACGCCTGCGGATTCTACTG	SYBR Green Q-PCR for human SOCS1, STAT5 target gene
SOCS1 reverse	GGCCATCTTCACGCTAAGGG	SYBR Green Q-PCR for human SOCS1, STAT5 target gene
SOCS2 forward	TGCAAGGATAAGCGGACAGG	SYBR Green Q-PCR for human SOCS2, STAT5 target gene
SOCS2 reverse	CAGAGATGCTGCAGAGATGG	SYBR Green Q-PCR for human SOCS2, STAT5 target gene

### **PCR conditions for STAT5, CIS, SOCS1 and SOCS2**

Step	
1 Denature	95°C, 5 min
2 Denature	95°C, 10 sec
3 Annealing / elongation	58°C, 45 sec, 40 cycles
4 melt curve	65°C - 95°C, 0.5°C/10 sec