

Accepted Manuscript

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PII: S0022-202X(17)32934-2

DOI: [10.1016/j.jid.2017.08.034](https://doi.org/10.1016/j.jid.2017.08.034)

Reference: JID 1061

To appear in: *The Journal of Investigative Dermatology*

Received Date: 10 December 2016

Revised Date: 3 August 2017

Accepted Date: 8 August 2017

Please cite this article as: Yu B, Alboslemy T, Safadi F, Kim M-H, Glycoprotein non-melanoma clone B regulates the crosstalk between macrophages and mesenchymal stem cells towards wound repair, *The Journal of Investigative Dermatology* (2017), doi: 10.1016/j.jid.2017.08.034.

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Glycoprotein non-melanoma clone B regulates the crosstalk between macrophages and mesenchymal stem cells towards wound repair

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Short title: Macrophage-derived GPNMB promote wound repair

Key words: macrophages, mesenchymal stem cells, GPNMB, diabetic wounds

Abbreviations:

Arg-1: Arginase-1
BMDMs: Bone marrow-derived macrophages
GPNMB: glycoprotein non-melanoma clone B
IL-1 β : interleukin-1 β
IGF-1: insulin-like growth factor-1
iNOS: inducible nitric oxide synthase
MACS: magnetically activated cell sorting
MSCs: mesenchymal stem cells
rGPNMB: recombinant GPNMB protein
TNF- α : tumor necrosis factor- α
VEGF: vascular endothelial growth factor

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