

## **Phosphate stimulates matrix Gla protein expression in chondrocytes through the extracellular signal regulated kinase signaling pathway.**

Marion Julien, David Magne, Martial Masson, Malvyne Rolli-Derkinderen, Olivier Chassande, Chrystelle Cario-Toumaniantz, Yan Cherel, Pierre Weiss, Jérôme Guicheux

► **To cite this version:**

Marion Julien, David Magne, Martial Masson, Malvyne Rolli-Derkinderen, Olivier Chassande, et al.. Phosphate stimulates matrix Gla protein expression in chondrocytes through the extracellular signal regulated kinase signaling pathway.: Phosphate stimulates MGP expression via ERK. *Endocrinology*, Endocrine Society, 2007, 148 (2), pp.530-7. 10.1210/en.2006-0763 . inserm-00170252

**HAL Id: inserm-00170252**

**<https://www.hal.inserm.fr/inserm-00170252>**

Submitted on 7 Sep 2007

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Figure 1

