



## JAK-STAT Signaling Pathway Related Proteins-Whole Set Tools for Pathway Research

JAK-STAT signaling pathway is a cytokine-stimulated signal transduction pathway found in recent years. It is involved in many important biological processes such as cell proliferation, differentiation, apoptosis and immune regulation. Compared with other pathways, JAK-STAT is relatively simple. It consists of three major components: receptor tyrosine kinase (RTK), Janus kinase (JAK), and signal transducer and activator of transcription (STAT).

JAK-STAT signaling pathway mediates the growth, survival, and apoptosis of cardiomyocytes and participates in the regulation of angiogenesis, playing an important role in the pathogenesis of heart diseases. Myocardial hypertrophy caused by stress load, heart failure, myocardial protection induced by ischemic preconditioning, and cardiac dysfunction caused by ischemia-reperfusion are all closely related to this signaling. In recent years, studies have shown that JAK-STAT signal pathway also plays an important role in myocardial protection mechanism induced by ischemic preconditioning.

Creative BioMart provides a set of JAK-STAT related recombinant proteins. Download our products catalog below or contact us for more products information. We will custom produce the specific proteins



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45-1 Ramsey Road, Shirley, NY 11967, USA

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