SANTA CRUZ BIOTECHNOLOGY, INC.

Act1 (1-300): sc-4288 WB

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Members of the NFκB family of transcription factors are important in regulating the expression of various cellular and viral genes involved in immune and inflammatory responses, cell survival, and stress responses. IL-1, TNF-α, and other related signaling pathways activate transcription factors through the activation of JNK. The NFκB signaling pathway converges with the signal-induced activation of JNK upstream of IKK. Isolated from the human embryonic kidney (HEK) 293 cell line, Act1 is an IKKγ-associated protein that activates both NFκB and JNK constitutively. Act1 may function as a coordinator between two stress-induced signaling pathways.

REFERENCES

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SOURCE

Act1 (1-300) is expressed in *E. coli* as a 62 kDa tagged fusion protein corresponding to amino acids 1-300 mapping at the amino terminus of Act1 of human origin.

PRODUCT

Act1 (1-300) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10 µg in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

Act1 (1-300) is suitable as a Western blotting control for sc-11444.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

RESEARCH USE

For research use only, not for use in diagnostic procedures.