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## Produktinformation



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### Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Jun D (m): 293T Lysate: sc-121171

## BACKGROUND

The activator protein-1 (AP-1) transcription factor consists of either Jun/Jun homodimers or Fos/Jun heterodimeric complexes. Homo- and heterodimers bind to the TGACTCA consensus sequence present in numerous promoters and initially identified as the phorbol ester tumor promoter response element (TRE). Jun B and Jun D have been shown to be almost identical to c-Jun in their C-terminal regions, which are involved in dimerization and DNA binding, whereas their N-terminal domains, which are involved in transcriptional activation, diverge. All three form heterodimers among themselves and with c-Fos and other members of the Fos gene family. Studies suggest that the two forms of Jun D may be due to internal initiation of translation.

## REFERENCES

1. Curran, T., et al. 1988. Fos and Jun: the AP-1 connection. *Cell* 55: 395-397.
2. Ryder, K., et al. 1988. Induction of proto-oncogene c-Jun by serum growth factors. *Proc. Natl. Acad. Sci. USA* 85: 8464-8467.
3. Cohen, D.R., et al. 1989. The product of a Fos-related gene, Fra-1, binds cooperatively to the AP-1 site with Jun: transcription factor AP-1 is comprised of multiple protein complexes. *Genes Dev.* 3: 173-184.
4. Hirai, S.I., et al. 1989. Characterization of Jun D: a new member of the Jun proto-oncogene family. *EMBO J.* 8: 1433-1439.
5. Ryder, K., et al. 1989. Jun D: a third member of the Jun gene family. *Proc. Natl. Acad. Sci. USA* 86: 1500-1503.
6. Vogt, P.K., et al. 1990. Jun: oncogene and transcription factor. *Adv. Cancer Res.* 55: 1-35.
7. Castellazzi, M., et al. 1991. Overexpression of c-Jun, Jun B, or Jun D affects cell growth differently. *Proc. Natl. Acad. Sci. USA* 88: 8890-8894.
8. Lallemand, D., et al. 1997. Variations in Jun and Fos protein expression and AP-1 activity in cycling, resting and stimulated fibroblasts. *Oncogene* 14: 819-830.
9. Weitzman, J.B., et al. 2000. Jun D protects cells from p53-dependent senescence and apoptosis. *Mol. Cell* 6: 1109-1119.

## CHROMOSOMAL LOCATION

Genetic locus: Jund (mouse) mapping to 8 B3.3.

## PRODUCT

Jun D (m): 293T Lysate represents a lysate of mouse Jun D transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## APPLICATIONS

Jun D (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Jun D antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

## STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.