



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## IRF-5 (m): 293 Lysate: sc-178817

### BACKGROUND

Interferon regulatory factor 5 (IRF-5), belongs to the IRF family of DNA-binding factors, which includes IRF-1, IRF-2, IRF-3, IRF-4, IRF-6, IRF-7, ISGF-3 $\gamma$  p48 and IFN consensus sequence-binding protein (ICSBP). The IRF family regulate both interferon and interferon-inducible genes. IRF-5, like IRF-3 and IRF-7, is a direct transducer of virus-mediated signaling and plays a role in the expression of multiple cytokines/chemokines. Although IRF-5 is a direct target of p53, its cell cycle regulatory and proapoptotic effects are p53 independent.

### REFERENCES

1. Darnell, J.E., Jr., Kerr, I.M. and Stark, G.R. 1994. JAK-Stat pathways and transcriptional activation in response to IFNs and other extracellular signaling proteins. *Science* 264: 1415-1421.
2. Mamane, Y., Heylbroeck, C., Genin, P., Algarte, M., Servant, M.J., LePage, C., DeLuca, C., Kwon, H., Lin, R. and Hiscott, J. 1999. Interferon regulatory factors: the next generation. *Gene* 237: 1-14.
3. Barnes, B.J., Moore, P.A. and Pitha, P.M. 2001. Virus-specific activation of a novel interferon regulatory factor, IRF-5, results in the induction of distinct interferon  $\alpha$  genes. *J. Biol. Chem.* 276: 23382-23390.
4. Mori, T., Anazawa, Y., Iizumi, M., Fukuda, S., Nakamura, Y. and Arakawa, H. 2002. Identification of the interferon regulatory factor 5 gene (IRF-5) as a direct target for p53. *Oncogene* 21: 2914-2918.
5. Barnes, B.J., Kellum, M.J., Field, A.E. and Pitha, P.M. 2002. Multiple regulatory domains of IRF-5 control activation, cellular localization, and induction of chemokines that mediate recruitment of T lymphocytes. *Mol. Cell. Biol.* 22: 5721-5740.
6. Barnes, B.J., Field, A.E. and Pitha-Rowe, P.M. 2003. Virus-induced heterodimer formation between IRF-5 and IRF-7 modulates assembly of the IFNA enhanceosome *in vivo* and transcriptional activity of IFNA genes. *J. Biol. Chem.* 278: 16630-16641.
7. Barnes, B.J., Kellum, M.J., Pinder, K.E., Frisancho, J.A. and Pitha, P.M. 2003. Interferon regulatory factor 5, a novel mediator of cell cycle arrest and cell death. *Cancer Res.* 63: 6424-6431.

### CHROMOSOMAL LOCATION

Genetic locus: Irf5 (mouse) mapping to 6 A3.3.

### PRODUCT

IRF-5 (m): 293 Lysate represents a lysate of mouse IRF-5 transfected 293 cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

### STORAGE

Store at -20 $^{\circ}$  C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

### PROTOCOLS

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

### APPLICATIONS

IRF-5 (m): 293 Lysate is suitable as a Western Blotting positive control for mouse reactive IRF-5 antibodies. Recommended use: 10-20  $\mu$ l per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

### RESEARCH USE

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