# IER2 (h4): 293T Lysate: sc-172808



The Power to Question

#### **BACKGROUND**

IER2 (immediate early response protein 2), also known as ETR101, is a 223 amino acid protein belonging to the immediate early response (IER) family. IER proteins are the first gene products to be induced during growth stimulation and/or arrest. IER2 expression can be induced by growth factors,12-0-tetradecanoylphorbol-13-acetate (TPA) or Okadaic acid. The coding region of IER2 contains regions of similarity to the transcription factor proteins that are encoded by the Jun oncogene family, possibly indicating a role for IER2 in transcription regulation. Further evidence for this role includes a GUUUG sequence in the 3' flanking region of IER2, which is believed to be a mRNA degradation signal similar to those found in transcription regulators.

## **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: IER2 (human) mapping to 19p13.2.

#### **PRODUCT**

IER2 (h4): 293T Lysate represents a lysate of human IER2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

### **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.

#### **APPLICATIONS**

IER2 (h4): 293T Lysate is suitable as a Western Blotting positive control for human reactive IER2 antibodies.

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

#### **RESEARCH USE**

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

#### **PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

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