

Recombinant Mouse Esr1 Protein, MYC/DDK-tagged

Cat. No. Esr1-977M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse estrogen receptor 1 (alpha) (Esr1), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes an estrogen receptor, a member of the nuclear hormone family of intracellular receptors. The encoded protein, activated by the sex hormone estrogen, is a transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Similar genes in human have been implicated in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative splicing results in multiple transcript variants.
Molecular Mass	67.4 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Esr1 estrogen receptor 1 \(alpha\) \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Esr1](#)

Synonyms Esr1; estrogen receptor 1 (alpha); ER; ERa; ESR; Estr; Estra; Nr3a1; ERalpha; ER-alpha; estrogen receptor; C-terminally-truncated estrogen receptor alpha product-4; C-terminally-truncated estrogen receptor alpha product-5; C-terminally-truncated estrogen receptor alpha product-6; C-terminally-truncated estrogen receptor alpha product-7; estradiol receptor; nuclear receptor subfamily 3 group A member 1

Gene ID [13982](#)

mRNA Refseq [NM_007956](#)

Protein Refseq [NP_031982](#)

UniProt ID [P19785](#)

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