

Recombinant Mouse Esrra Protein, Myc/DDK-tagged

Cat. No. Esrra-2873M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length estrogen related receptor, alpha (Esrra), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Binds to an ERR-alpha response element (ERRE) containing a single consensus half-site, 5'-TNAAGGTCA-3'. Can bind to the medium-chain acyl coenzyme A dehydrogenase (MCAD) response element NRRE-1 and may act as an important regulator of MCAD promoter. Binds to the C1 region of the lactoferrin gene promoter. Requires dimerization and the coactivator, PGC-1A, for full activity. The ERRalpha/PGC1alpha complex is a regulator of energy metabolism. Induces the expression of PERM1 in the skeletal muscle.
Molecular Mass	45.5 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name [Esrra estrogen related receptor, alpha \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Esrra](#)

Synonyms ESRRA; estrogen related receptor, alpha; steroid hormone receptor ERR1; ERR-alpha; estrogen receptor-like 1; estrogen receptor related 1; estrogen-related receptor alpha; nuclear receptor subfamily 3 group B member 1; Steroid hormone receptor ERR1 (Estrogen-related receptor, alpha) (ERR-alpha) (Estrogen receptor-like 1); Err1; Nr3b1; Estrra; ERRalpha

Gene ID [26379](#)

mRNA Refseq [NM_007953](#)

Protein Refseq [NP_031979](#)

UniProt ID [O08580](#)

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