

Recombinant Human ESR1 protein, His-tagged

Cat. No. ESR1-118H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ESR1 is produced by E.coli expression system and the residues Met297-Ser554 is expressed with a His tag at the N-terminal.
Species	Human
Source	E.coli
ProteinLength	Met297-Ser554
Form	Lyophilized from sterile 20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin 300.
Molecular Mass	33 kDa
AA Sequence	MIKRSKKNLSLALSLTADQMVSALLDAEPPILYSEYDPTRPFSEASMMGLLTNLADREL VHMINWAKRVPGFVDLTLHDQVHLLECAWLEILMIGLVWRSMEHPGKLLFAPNLLLD RNQGGKCVEGMVEIFDMLLATSSRFRMMNLQGEEFVCLKSIILLNSGVYTFLSSTLKSL EEKDHIHRVIDKITDTLIHLMAKAGLTLQQQHQRLAQLLLILSHIRHMSNKGMEHLYSM KCKNVVPLYDLLLEMLDAHRLHAPTS
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 90 %
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Notes	The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48 h, and no obvious degradation and precipitation were observed. The loss rate is less than 5 % within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20 mM Tris, 150 mM NaCl (Ph 8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ESR1 estrogen receptor 1 [Homo sapiens]
Official Symbol	ESR1
Synonyms	ER-A1; ER; ESR; ESR1; ESRA; NR3A1; NR3-A1; Estrogen Receptor 1;
Gene ID	2099
mRNA Refseq	NM_000125
Protein Refseq	NP_000116
UniProt ID	P03372

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