

RP00609

Leader in Biomolecular Solutions for Life Science



Recombinant Human Estrogen receptor beta/ESR2 Protein

Catalog No.: RP00609

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	2100	Q92731-3

Tags

N-His

Synonyms

ESR2;ER-BETA;ESR-BETA;ESRB;ESTRB;Erb;NR3A2

Product Information

Source	Purification
<I>E. coli</I>	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 50mM TrisHCl , pH8.0.Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Estrogen Receptor Beta (ESR2) is a nuclear protein that belongs to the nuclear hormone receptor family of NR3subfamily. It contains one nuclear receptor DNA-binding domain and is expressed in many tissues at a lowerlevel. ESR2 is a nuclear hormone receptor. It binds estrogens with an affinity similar to that of ESR1 andactivates expression of reporter genes containing estrogen response elements (ERE) in an estrogen-dependentmanner. DNA-binding by ESR1 and ESR2 is rapidly lost at 37 degrees Celsius in the absence of ligand while inthe presence of 17 beta-estradiol and 4-hydroxy-tamoxifen loss in DNA-binding at elevated temperature ismore gradual.

Basic Information

Description

Recombinant Human Estrogen receptor beta/ESR2 Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Met1-Ala323) of human ER beta/NR3A2 (Accession #Q92731-3) fused with a 6×His tag at the N-terminus.

Bio-Activity

Storage

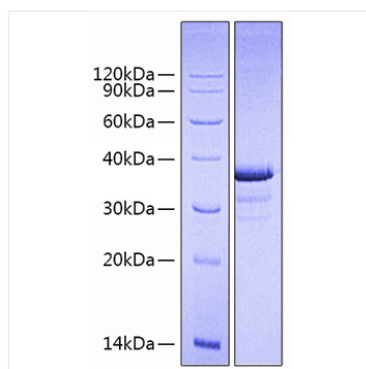
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human Estrogen receptor beta/ESR2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.