Estrogen Receptor Alpha (ERa) Recombinant Protein | ERa recombinant protein

Recombinant Estrogen Receptor Alpha (ERa)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA134035	**E.coli**	**Rattus norvegicus (Rat)**	**Western Blot, SDS-Page**

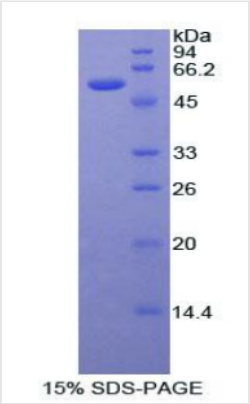
PRODUCT SYNONYMS

Estrogen Receptor Alpha (ERa); Recombinant Estrogen Receptor Alpha (ERa); ERa recombinant protein

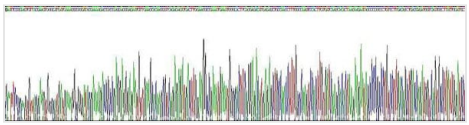
PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Rattus norvegicus (Rat)
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	RKCYEVGMMK GGIRKDRRGG RMLKHKRQRD DLEGRNEMGT SGDMRAANLW PSPLVIKHTK KNSPALSLTA DQMVSALLDA EPPLIYSEYD PSRPFSEASM MGLLTNLADR ELVHMINWAK RVPGFGDLNL HDQVHLLECA WLEILMIGLV WRSMEHPGKL LFAPNLLLDR NQGKCVEGMV EIFDMLLATS SRFRMMNLQG EEFVCLKSII LLNSGVYTFL SSTLKSLEEK DHIHRVL
Applicable Applications for ERa recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Arg248~Leu484
Tags	N-terminal His and GST Tag
Subcellular Location	Membrane, Nucleus, Cytoplasm, Chromosome
Traits	Freeze-dried powder
Predicted isoelectric point	7.1
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** 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 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978815
NCBI GeneID	24890
NCBI Accession #	NP_036821.1
NCBI GenBank Nucleotide #	NM_012689.1
UniProt Accession #	P06211
Molecular Weight	Predicted Molecular Mass: 57.0kDa Accurate Molecular Mass: 57kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	estrogen receptor
NCBI Official Synonym Full Names	estrogen receptor 1
NCBI Official Symbol	Esr1
NCBI Official Synonym Symbols	Esr; ER-alpha; RNESTROR
NCBI Protein Information	estrogen receptor; Er alpha; estradiol receptor; estrogen receptor protein; estrogen receptor 1 (alpha); estrogen receptor alpha variant delta 4; nuclear receptor subfamily 3 group A member 1
UniProt Protein Name	Estrogen receptor
UniProt Gene Name	**Esr1**
UniProt Synonym Gene Names	Esr; Estr; Nr3a1; ER
UniProt Entry Name	ESR1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/esr1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134035