

Estrogen Receptor α Recombinant Protein | ESR1 recombinant protein

Recombinant Estrogen Receptor α protein

CATALOG #
AAA60203

HOST
Baculovirus

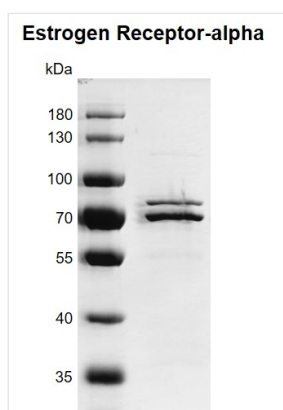
PRODUCT SYNONYMS

Estrogen Receptor α ; Recombinant Estrogen Receptor α protein; ESR1; NR3A1; ESR1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Form/Format	Recombinant Estrogen Receptor- α protein is supplied in 25mMHEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, and 0.5mM TCEP.
Concentration	0.25ug/ul (varies by lot)
Protein Species	Human
Tag	N-terminal DYKDDDDK Tag
Notes	This product was manufactured as described in Protein Details. Where possible, We has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for this product is shown.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



SDS-PAGE

Recombinant Estrogen Receptor- α protein gel 9% SDS-PAGE gel with Coomassie blue staining MW: 67.5 kDa Purity: >80%

ADDITIONAL INFORMATION

Related Product Information for ESR1 recombinant protein	Short Description: Recombinant Estrogen Receptor-alpha protein was expressed in a baculovirus expression system as the full-length protein (accession number NP_000116.2) with an N-terminal DYKDDDDK tag. The molecular weight of the protein is 67.5 kDa. Background: Estrogen Receptor-alpha protein, also called as ESRA or ER-alpha, is a nuclear hormone receptor. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Ligand-dependent nuclear transactivation involves either direct homodimer binding to a palindromic estrogen response element (ERE) sequence or association with other DNA-binding transcription factors, such as AP-1/c-Jun, c-Fos, ATF-2, Sp1 and Sp3, to mediate ERE-independent signaling. Ligand binding induces a conformational change allowing subsequent or combinatorial association with multiprotein coactivator complexes through LXXLL motifs of their respective components. Mutual transrepression occurs between the estrogen receptor (ER) and NF-kappa-B in a cell-type specific manner. ER-alpha can also act synergistically with NF-kappa-B to activate transcription involving respective recruitment adjacent response elements. It also mediates membrane-initiated estrogen signaling involving various kinase cascades.
Product Categories/Family for ESR1 recombinant protein	Recombinant Proteins; Nuclear Receptor; Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	62821794
NCBI GeneID	2099
NCBI Accession #	NP_000116.2
NCBI GenBank Nucleotide #	NM_000125.3
UniProt Accession #	P03372; Q13511; Q14276; Q5T5H7; Q6MZQ9; Q9NU51; Q9UDZ7; Q9UIS7
Molecular Weight	67.5 kDa
NCBI Official Full Name	estrogen receptor
NCBI Official Synonym Full Names	estrogen receptor 1
NCBI Official Symbol	ESR1
NCBI Official Synonym Symbols	ER; ESR; Era; ESRA; NR3A1
NCBI Protein Information	estrogen receptor; ER-alpha; estradiol receptor; estrogen nuclear receptor alpha; estrogen receptor alpha E1-E2-1-2; estrogen receptor alpha E1-N2-E2-1-2; estrogen receptor alpha delta 4 +49 isoform; nuclear receptor subfamily 3 group A member 1; estrogen
UniProt Protein Name	Estrogen receptor
UniProt Gene Name	ESR1
UniProt Synonym Gene Names	ESR; NR3A1; ER
UniProt Entry Name	ESR1_HUMAN

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.