



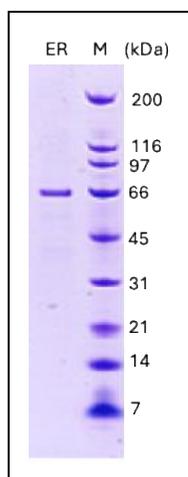
AscentGene, Inc.
900 Clopper Road
Suite 130
Gaithersburg, MD 20878

Recombinant ER (Sf9)

Catalog Number	Size
AG323-10	10ug
AG323-25	25ug
AG323-B	Bulk

Description

The recombinant Estrogen Receptor (ER) was expressed in the baculovirus (Sf9) system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 609 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 65kDa.



```
MHHHHHHGRRASVHMTMTLHTKASGMALLHQIQGNELEPLNRPQLKIPLER  
PLGEVYLDSSKPAVYNYPEGAAAYEFNAAAAANAQVYGQTGLPYGPGSEAAA  
FGSNGLGGFPPLNSVSPSPMLLLHPPPQLSPFLQPHGQQVPYYLENEPSGY  
TVREAGPPAFYRPNSDNRRQGGRERLASTNDKGSMAKESAKETRYCAVCND  
YASGYHYGVWSCEGCKAFFKRSIQGHNDYMC PATNQCTIDKNRRKSCQACR  
LRKCYEVGMMKGGIRKDRRGG RMLKHKRQRDDGEGRGEVGSAGDMRAANLW  
PSPMLIKRSKKNLALS LTADQMVSALLDAEPPILYSEYDPTRPFSEASMM  
GLLTNLADRELVHMINWAKRVPGFVDLTLHDQVHLLLECAWLEILMIGLVWR  
SMEHPGKLLFAPNLLLDRNQGKCV EGMVEIFDMLLATSSRFMMNLQGEFF  
VCLKSII LLNSGVYTFLSSTLKSLEEKDHIHRVLDKITDTLTIHLMAKAGLT  
LQQQHQR LAQLLLI LSHIRHMSNKGMEHLYSMKCKNVVPLYDLLLEMLDAH  
RLHAPTSRGGASVEETDQSHLATAGSTSSHSLQKYYITGEAEGFPATV-
```

Source

Sf9

Molecular Mass

Approximately 65kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

Estrogen receptor (AR) is a member of nuclear hormone receptor family and functions as a ligand-activated transcription factor. The recombinant ER protein is suitable for the studies of transcription assays, protein-protein interaction and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. **(Avoid repeated freeze-thaw cycle)**

FOR RESEARCH USE ONLY!!!