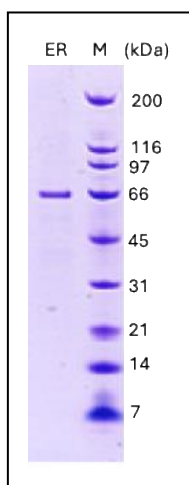


Recombinant ER Protein

Catalog Number	Size
AG1057-10	10ug
AG1057-25	25ug
AG1057-B	Bulk

Description

The recombinant Estrogen Receptor (ER/ESR1) was expressed in the baculovirus 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.



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MHHHHHHHGRRASVHMTMTLHTKASGMALLHQIQGNELEPLNRPQLKIPLER
PLGEVYLDSSKPAVYNYPEGAAAYEFNAAAAANAQVYGQTGLPYGPGSEAAA
FGSNGLGGFPLNSVSPSPMLMLHPPPQLSPFLQPHGQQVPYYLENEPSGY
TVREAGPPAFYRPNSDNRRQGGRERLASTNDKGSMAESAKETRYCAVCND
YASGYHYGVWSCEGCKAFFKRSIQGHNDYMCPATNQCTIDKNRRKSCQACR
LRKCYEVGMMKGGIRKDRRGGRMLKHKRQRDDGEGRGEVGSAGDMRAANLW
PSPLMIKRSKKNLALSLTADQMVSALLDAEPPILYSEYDPTRPFSEASMM
GLLTNLADRELVHMINWAKRVPGFVDLTLHDQVHLLECAWLEILMIGLVWR
SMEHPGKLLFAPNLLLDRNQGKCEGMVEIFDMLLATSSRFRMMNLQGEEF
VCLKSIILNSGVYTFLSSTLKSLEEKDHIHRVLDKITDTLIHLMAKAGLT
LQQQHQRLAQLLLILSHIRHMSNKGMEHLYSMKCKNVVPLYDLLLEMLDAH
RLHAPTSRGGASVEETDQSHLATAGSTSSHSLQKYYITGEAEGFPATV-

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Accession Number

NM_000125

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 can be used 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!!!