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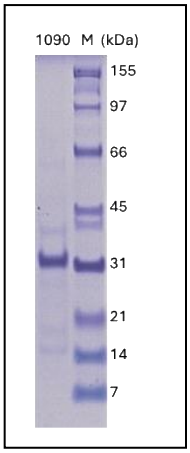
# Recombinant AR-LBD (650-920)

| Catalog Number | Size |
|---|---|
| AG1090-10 | 10ug |
| AG1090-25 | 25ug |
| AG1090-B | Bulk |

**Description**




The ligand binding domain of human androgen receptor (AR-LBD) was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 292 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 32kDa.

MAHHHHHHASGENLYFQGGGSTSPTEETTQKLTVSHIEGYECQPIFLNVL
EAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWAKALPGFRN
LHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHK
SRMYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFF
DELRMNYIKELDRIIACKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFT
FDLLIKSHMVSVDFPEMMAEIISVQVPKILSGKVKPIYFHTQ-

**Accession Number** NM_000044

**Molecular Mass** Approximately 32kDa.

**Purity** ≥90%, as determined by SDS-PAGE.

**Biological Activity** The AR protein is a member of nuclear hormone receptor family and functions as a transcription factor regulating transcription of androgen responsive genes. The recombinant AR-LBD protein can be used for the studies of transcription assays, protein-protein/protein-ligand interactions 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 2-8ºC for one month or at -20ºC to -70ºC for three months without detectable loss of activity. ***(Avoid repeated freeze-thaw cycle)***

**FOR RESEARCH USE ONLY!!!**