

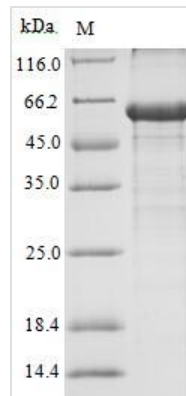


Recombinant Human Androgen receptor (AR), partial

Product Code	CSB-EP001975HU
Relevance	Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Transcription factor activity is modulated by bound coactivator and corepressor proteins. Transcription activation is down-regulated by NR0B2. Activated, but not phosphorylated, by HIPK3 and ZIPK/DAPK3. Isoform 3 and isoform 4 lack the C-terminal ligand-binding domain and may therefore constitutively activate the transcription of a specific set of genes independently of steroid hormones.
Abbreviation	Recombinant Human AR protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P10275
Alias	Dihydrotestosterone receptor Nuclear receptor subfamily 3 group C member 4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	DYYFPPQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYL CASRNDC TIDKFRRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPTTEE TTQKLTVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELG ERQLVHVVKWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWSFTNVN SRMLYFAPDLVFNEYRMHKSRMYSQCVRMRHLSQEFGWLQITPQEFLCMKA LLLFSIIPVDGLKNQKFFDEL RMNYIKELDR IIACKRKNPTSCSRRFYQLTKLLDS VQPIARELHQFTFDLLIKSHMVSVD FPEMMAEIISVQVPKILSGKVKPIYFHT
Research Area	Signal Transduction
Source	E.coli
Target Names	AR
Protein Names	Recommended name: Androgen receptor Alternative name(s): Dihydrotestosterone receptor Nuclear receptor subfamily 3 group C member 4
Expression Region	551-919aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	62.4kDa


Protein Length

Partial

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

A target DNA sequence encoding to the 551-919aa of human Androgen receptor (AR) was fused with an N-terminal 10xHis-SUMO-tag and a C-terminal Myc-tag and then expressed in the E.coli. The resulting protein is a partial-length recombinant AR protein. It got purified by the SDS-PAGE analysis over 90% in purity. The SDS-PAGE of this AR protein gave a 55-66 kDa band. The in-stock protein allows it to reach your lab bench faster. This recombinant AR protein may be applied to generate specific antibodies and in the AR-related signal transduction research.

AR belonging to the steroid hormone nuclear receptor family is a ligand-dependent nuclear transcription factor. Androgen/AR interaction is involved in a broad of biological functions, such as the expression of the male phenotype and the development ? maintenance of the reproductive, musculoskeletal, cardiovascular, immune, neural, and hemopoietic systems. De-regulation of AR is associated with some types of cancers in the prostate, lung, and liver, etc.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.