

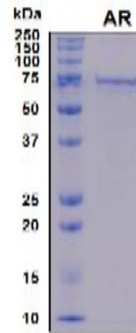
## AR

### Recombinant Human Androgen Receptor (AR) His Tag

<b>Catalog No.</b>	CRA164A CRA164B CRA164C	<b>Quantity:</b>	10 µg 50 µg 100 µg
<b>Alternate Names:</b>	Androgen receptor, AR, Dihydrotestosterone receptor, DHTR, Nuclear receptor subfamily 3 group C member 4, NR3C4		
<b>Description:</b>	<p>The androgen receptor (AR) has 3 major functional domains: the N-terminal domain, DNA-binding domain, and the C-terminal ligand binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. The androgen receptor is most closely related to the progesterone receptor, and progestins in higher dosages can block the androgen receptor. The main function of the androgen receptor is as a DNA binding transcription factor which regulates gene expression. Androgen regulated genes are critical for the development and maintenance of the male sexual phenotype.</p>		
<b>UniProt ID:</b>	P10275		
<b>Gene ID:</b>	367		
<b>Expressed Region:</b>	Met1 - Lys556 with N-terminal 6x Histidine tag		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	62 kDa predicted, ~75 kDa apparent on SDS-PAGE		
<b>Formulation:</b>	Lyophilized from sterile-filtered 0.1 M NaHCO <sub>3</sub> , 0.5 M NaCl, pH 7.5.		
<b>Purity:</b>	>95%, determined by SDS-PAGE under reducing conditions, visualized with Commassie blue.		
<b>Purification:</b>	His-tag affinity purification by HisTrap FF column (IMAC)		
<b>Reconstitution:</b>	Centrifuge vial briefly before opening to consolidate product. Reconstitute with sterile distilled water to 0.5 - 1.0 mg/ml.		
<b>Applications:</b>	ELISA, Functional studies, Immunogen, Western blot, Dot blot, Protein array.		
<b>Storage &amp; Stability:</b>	Store, as supplied, for up to 2 weeks at 2-8°C, or for up to 1 year at -20°C to -80°C . Reconstitute as directed, prepare aliquots and store at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		



SDS-PAGE reducing conditions



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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