

## Product datasheet

# Recombinant Human Constitutive androstane receptor protein ab82072

### Overview

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<b>Product name</b>	Recombinant Human Constitutive androstane receptor protein
<b>Protein length</b>	Protein fragment

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human
<b>Amino acids</b>	101 to 348

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab82072** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Biological activity</b>	1 unit equals 1 nanogram of purified protein.
<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid
<b>Additional notes</b>	1 unit equals 1 nanogram of purified protein.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.75% Potassium chloride, 0.0154% DTT, 0.316% Tris HCl, 0.00584% EDTA, 20% Glycerol
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### General Info

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<b>Function</b>	Binds and transactivates the retinoic acid response elements that control expression of the
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retinoic acid receptor beta 2 and alcohol dehydrogenase 3 genes. Transactivates both the phenobarbital responsive element module of the human CYP2B6 gene and the CYP3A4 xenobiotic response element.

<b>Tissue specificity</b>	Predominantly expressed in liver.
<b>Sequence similarities</b>	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
<b>Domain</b>	Composed by a short N-terminal domain followed by the DNA binding, hinge, and ligand binding/dimerization domains.
<b>Post-translational modifications</b>	Phosphorylated at Thr-38 by PKC, dephosphorylation of Thr-38 is required for nuclear translocation and activation.
<b>Cellular localization</b>	Nucleus. Cytoplasm. Cytoplasm > cytoskeleton. Recruited to the cytoplasm by DNAJC7.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Valid for 12 months from date of delivery
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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