

## Product datasheet

# Recombinant Human Arg2 protein ab116403

### 概述

产品名称	重组人Arg2蛋白
蛋白长度	Full length protein

### 描述

性质	Recombinant
来源	Escherichia coli

### 氨基酸序列

Accession [P78540](#)

种属 Human

序列  
 MGSSHHHHHH SGLVPRGSH MVHSAVIGA  
 PFSQGQKRKG VEHGPAIRE AGLMKRLSSL  
 GCHLKDFGDL SFTPVPKDDL YNNLIVNPRS  
 VGLANQELAE VVSRAVSDGY SCVTLGGDHS  
 LAIGTISGHA RHCPDLCVW VDAHADINTP  
 LTTSSGNLHG QPVSFLLREL QDKVPQLPGF  
 SWIKPCISSA SIVYIGLRDV DPPEHFILKN  
 YDIQYFSMRD IDRLGIQKVM ERTFDLLIGK  
 RQRPIHLSFD IDAFDPTLAP ATFTPVVGG  
 TYREGMYIAE EIHNTGLLSA LDLVEVNPQL  
 ATSEEEAKTT ANLAVDVIAS SFGQTREGGH  
 IVYDQLPTPS SPDESENQAR VRI .

分子量 38 kDa including tags

氨基酸 23 to 354

标签 His tag N-Terminus

### 技术指标

Our [Abpromise guarantee](#) covers the use of **ab116403** in the following tested applications.

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

应用 SDS-PAGE

纯度 > 95 % SDS-PAGE.

ab116403 was purified by proprietary chromatographic techniques and filter sterilized.

<b>形式</b>	Liquid
<b>补充说明</b>	Although stable at 4°C for 1 week, ab116403 should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

## 制备和贮存

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<b>稳定性和存储</b>	Shipped at 4°C. Please see notes section. pH: 8.00 Constituents: 10% Glycerol, 0.32% Tris HCl
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## 常规信息

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<b>功能</b>	May play a role in the regulation of extra-urea cycle arginine metabolism and also in down-regulation of nitric oxide synthesis. Extrahepatic arginase functions to regulate L-arginine bioavailability to NO synthase. Since NO synthase is found in the penile corpus cavernosum smooth muscle, the clitoral corpus cavernosum and the vagina, arginase II plays a role in both male and female sexual arousal. It is therefore a potential target for the treatment of male and female sexual arousal disorders.
<b>组织特异性</b>	Expressed most strongly in kidney and prostate, much less strongly in the brain, skeletal muscle, placenta, lung, mammary gland, macrophage, uterus, testis and gut, but apparently not in the liver, heart and pancreas.
<b>通路</b>	Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.
<b>序列相似性</b>	Belongs to the arginase family.
<b>细胞定位</b>	Mitochondrion.

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

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