

Datasheet for ABIN7556734

## Aldo-Keto Reductase Family 1, Member C6 (AKR1C6) (AA 1-323) protein (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	Aldo-Keto Reductase Family 1, Member C6 (AKR1C6)
Protein Characteristics:	AA 1-323
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

### Product Details

Purpose:	Custom-made recombinant Akr1c6 Protein expressed in mammalian cells.
Sequence:	MDSKQQTVRL SDGHFIPILG FGTYAPQVEVP KSKATEATKI AIDAGFRHID SASMYQNEKE VGLAIRSKIA DGTVKREDIF YTSKVWCTFH RPELVVRCLE QSLKQLQLDY VDLYLIHFPM AMKPGENYLP KDENGKLIYD AVDICDTWEA MEKCKDAGLA KSIGVSNFNR RQLEKILKKP GLKYKPVCNQ VECHPYLNQG KLLDFCRSKD IVLVAYSALG SHREKQWVDQ SSPVLLDNPV LGSMACKYNR TPALIALRYQ LQRGVVVLAK SFSEKRIKEN MQVFEFQLTS EDMKVLDDLN KNIRYISGSS FKDHPDFPFW DEY <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

---

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

---

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

---

## Target Details

---

Target:	Aldo-Keto Reductase Family 1, Member C6 (AKR1C6)
Alternative Name:	Akr1c6 ( <a href="#">AKR1C6 Products</a> )
Background:	Estradiol 17 beta-dehydrogenase 5 (EC 1.1.1.-) (17-beta-HSD 5),FUNCTION: Active toward androgens, estrogens, and xenobiotic substrates. Also exhibits low 20 alpha-HSD activity. Shows a-stereospecificity in hydrogen transfer between cofactors and substrates (A-specific). Preferentially catalyzes the reduction of 4-androstenedione, 5-alpha-androstane-3,17-dione, androsterone and dehydroepiandrosterone to testosterone, dihydrotestosterone, 5-alpha-androstane-3-alpha,17-beta-diol and 5-androstene-3-beta,17-beta-diol, respectively. {ECO:0000269 PubMed:10500239}.
Molecular Weight:	37.0 kDa
UniProt:	<a href="#">P70694</a>

---

## Application Details

---

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
--------------------	---

---

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months