

Datasheet for ABIN7552335
AKR7A3 Protein (AA 1-331) (His tag)



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Overview

Quantity:	1 mg
Target:	AKR7A3
Protein Characteristics:	AA 1-331
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKR7A3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat AKR7A3 Protein expressed in mammalien cells.
Sequence:	MSRQLSRARP ATVLGAMEMG RRMDAPTSAA VTRAFLEIGH TEIDTAFVYS EGQSETILGG LGLRLGGSDC RVKIDTKAIP LFGNSLKPDS LRFQLETSLK RLQCPRVDLF YLHMPDHSTP VEETLRACHQ LHQEGKFVEL GLSNYAAWEV AEICTLCKSN GWILPTVYQG MYNAITRQVE TELFPCLRHF GLRFYAFNPL AGLLTGKYK YEDKNGKQPV GRFFGNTWAE MYRNRYWKEH HFEGIALVEK ALQAAYGASA PSMTSATLRW MYHHSQLQGA HGDAVILGMS SLEQLEQNLA AAEEGPLEPA VVDAFNQAWH LVTHECPNYF R 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.
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, Western Blot

Grade: custom-made

Target Details

Target: AKR7A3

Alternative Name: AKR7A3 ([AKR7A3 Products](#))

Background: Aflatoxin B1 aldehyde reductase member 3 (EC 1.-.-) (AFB1 aldehyde reductase 2) (AFB1-AR 2),FUNCTION: Can reduce the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the non-binding AFB1 dialcohol. May be involved in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen. {ECO:0000269|PubMed:18416522}.

Molecular Weight: 37.2 kDa

UniProt: [O95154](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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