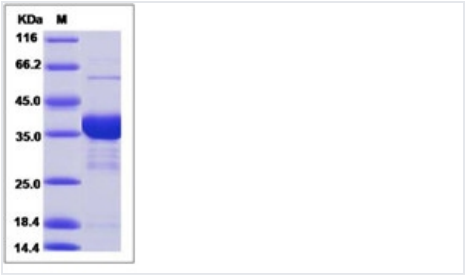
AKR1C4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	AKR1C4, Recombinant Protein
Full Product Name	AKR1C4 Protein, Human, Recombinant (His Tag)
Product Gene Name	AKR1C4 recombinant protein
Product Synonym Names	Human AKR1C4 Protein (His Tag); 3-alpha-HSD Protein, Human; AKR1C4 Protein, Human; C11 Protein, Human; CDR Protein, Human; CHDR Protein, Human; DD-4 Protein, Human; DD4 Protein, Human; HAKRA Protein, Human; aldo-keto reductase family 1, member C4
Sequence	Met1-Tyr32 3
Host	E Coli
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Purity/Purification	>85% as determined by SDS-PAGE
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.
Molecular Weight	The recombinant human AKR1C4 consists of 341 amino acids and predicts a molecular mass of 39.4kDa. It migrates as an approximately 35-40kDa band in SDS-PAGE under reducing conditions.
Species	Human
Predicted N Terminal	His
Tag	N-His
Protein Construction	A DNA sequence encoding the human AKR1C4 (AAH20744.1)(Met1-Tyr323) was expressed with a polyhistidine tag at the N-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Related Product Information for AKR1C4 recombinant protein	Background: Aldo-keto reductases comprise of AKR1C1-AKR1C4, four enzymes that catalyze NADPH dependent reductions and have been implicated in biosynthesis, intermediary metabolism, and detoxification. there is a strong correlation between the expression levels of these family members and the malignant transformation as well as the resistance to cancer therapy. Type I human hepatic 3alpha-hydroxysteroid dehydrogenase (AKR1C4) plays a significant role in bile acid biosynthesis, steroid hormone metabolism, and xenobiotic metabolism.
Other Notes	Small volumes of AKR1C4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AKR1C4 purchase	MBS8121842 is a recombinant protein targeting AKR1C4. Also known as AKR1C4 Protein, Human, Recombinant (His Tag). Host: E Coli.



SDS-Page of AKR1C4 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AKR1C4. It may not necessarily be applicable to this product.

NCBI Accession #	AAH20744.1
Protein Family	Aldo-keto reductase family
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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