

Human recombinant protein AKR1C4
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Catalog # PBV10575r**Specification****Human recombinant protein AKR1C4 - Product info**

Primary Accession	P17516
Concentration	1
Calculated MW	39.2 kDa KDa

Human recombinant protein AKR1C4 - Additional Info

Gene ID	1109
Gene Symbol	AKR1C4

Other Names

Aldo-keto reductase family 1, member C 4, DHEA-ST, DHEAS, HST, hSTa, ST2, ST2A1, ST2A3.

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MDPKYQRVEL NDGHFMPVLG FGTYAPPEVP RNRAVEVTKL AIEAGFRHID SAYLYNNEEQ VGLAIRSKIA DGSVKREDIF YTSKLWCTFF QPQMVQPALE SSLKKQLDY VDLYLLHFPM ALKPGETPLP KDENGKVIFD TVDLSATWEV MEKCKDAGLA KSIGVSNFNC RQLEMILNKP GLKYKPVCNQ VECHPYLNQS KLLDFCKSKD IVLVAHSALG TQRHKLWVDP NSPVLLEDPV LCALAKKHKR TPALIALRYQ LQRGVVVLAK SYNEQRIREN IQVFEFQLTS EDMKVLDGLN RNYRYVVMDF LMDHPDYPFS DEY

Format

Liquid

Storage

-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1 M NaCl and 1 mM DTT.

Human recombinant protein AKR1C4 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein AKR1C4 - Images

Human recombinant protein AKR1C4 - Background

AKR1C4 is a member of the aldo/keto reductase superfamily that has over 40 known enzymes and proteins. AKR1C4 enables the conversion of aldehydes and ketones to their corresponding alcohols by using NADH and/or NADPH as cofactors. AKR1C4 takes part in the bioreduction of chlordecone, a toxic organochlorine pesticide, to chlordecone alcohol in liver.

Human recombinant protein AKR1C4 - References

Qin K.-N., et al. J. Steroid Biochem. Mol. Biol. 46:673-679(1993).
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Kume T., et al. Pharmacogenetics 9:763-771(1999).
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