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Human recombinant protein AKR1C1

Human Recombinant AKR1C1
Catalog # PBV10573r

Specification

Human recombinant protein AKR1C1 - Product info

Primary Accession	Q04828
Concentration	0.5
Calculated MW	38.9 kDa KDa

Human recombinant protein AKR1C1 - Additional Info

Gene ID	1645
Gene Symbol	AKR1C1

Other Names
Aldo-keto reductase family 1, member C 1, 20-alpha-HSD, DD1/DD2, HBAB, DDH, DDH1

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MDSKYQCVKL NDGHFMPVLG FGTYAPAEVP KSKALEATKL AIEAGFRHID SAHLYNNEEQ VGLAIRSKIA DGSVKREDIF YTSKLWCNSH RPELVRPALE RSLKNLQLDY VDLYLIHFPV SVKPGEEVIP KDENGKILFD TVDLCATWEA VEKCKDAGLA KSIGVSNFNR RQLEMILNKP GLKYKPVCNQ VECHPYFNQR KLLDFCKSKD IVLVAYSALG SHREEPWVDP NSPVLLEDPV LCALAKKHKR TPALIALRYQ LQRGVVVLAK SYNEQRIRQN VQVFEFQLTS EEMKAIDGLN RNVRYLTLDI FAGPPNYPFS DEY

Format
Liquid

Storage
-80°C; 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT and 20% glycerol.

Human recombinant protein AKR1C1 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human recombinant protein AKR1C1 - Images

Human recombinant protein AKR1C1 - Background

Aldo-keto reductase family 1 member C1 in humans is encoded by the AKR1C1 gene. AKR1C1 transfers progesterone to its inactive state or in other words catalyzes the reaction of 20-alpha-hydroxy progesterone (20-alpha-OHP) in the liver and intestine. AKR1C1 transfers bile and monitors the intrahepatic bile acid concentration though it has a low bile-binding ability. AKR1C1 participates in myelin formation. AKR1C1 is part of the aldo/keto reductase superfamily, which has over 40 known enzymes which catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors thus display overlapping but distinct substrate specificity.

Human recombinant protein AKR1C1 - References

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