

AKR1D1, human recombinant protein**Aldo-keto reductase family 1, member D1, 3o5bred, CBAS2, SRD5B1****Catalog # PBV10982r****Specification**

AKR1D1, human recombinant protein - Product info

Primary Accession	P51857
Concentration	0.5
Calculated MW	39.5 kDa (346 aa, 1-326 aa + His Tag), confirmed by MALDI-TOF. KDa

AKR1D1, human recombinant protein - Additional Info

Gene ID	6718
Gene Symbol	AKR1D1
Other Names	
Aldo-keto reductase family 1, member D1, 3o5bred, CBAS2, SRD5B1	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MDLSAASHRI PLSDGNSIPI IGLGTYSEPK STPKGACATS VKVAIDTGYR HIDGAYIQN EHEVGEAIRE KIAEGKVRRE DIFYCGKLWA TNHVP EMVRP TLERTLRVLQ LDYVDLYIIE VPMAFKPGDE IYPRDENGKW LYHKS NLCAT WEAMEACKDA GLVKSLGVS NFNRRQLELIL NKPGLKHKPV SNQVECHPYF TQPKLLKFCQ QHDIVITAYS PLGTSRNPIW VNVSSPPLLK DALLNSLGKR YNKTA AQIVL RFNIQRGVVV IPKSFNLERI KENFQIFDFS LTEEEMKDIE ALNKNVRFVE LLMWRDHPEY PFHDEY

Target/Specificity

AKR1D1

Format

Liquid

Storage

-80°C; 0.5 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 100 mM NaCl and 20% glycerol.

AKR1D1, human recombinant protein - 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](#)

AKR1D1, human recombinant protein - Images

AKR1D1, human recombinant protein - Background

Aldo-keto reductase family 1, member D1, also known as AKR1D1, is a member of the AKR superfamily. The AKR family of proteins is soluble NADPH oxidoreductases. They play important roles in the metabolism of drugs, carcinogens and reactive aldehydes. AKR1D1 is responsible for the catalysis of the 5-beta-reduction of bile acid intermediates and steroid hormones which carry a delta (4)-3-one structure. AKR1D1 is highly expressed in liver, colon and testis. Deficiency of this enzyme may contribute to hepatic dysfunction. Recombinant human AKR1D1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AKR1D1, human recombinant protein - References

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