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Aldose Reductase, human recombinant protein

Aldo-keto reductase family1, member B1, AKR1B1, ADR, ALDR1, ALR2, AR

Catalog # PBV10984r

Specification

Aldose Reductase, human recombinant protein - Product info

Primary Accession	P15121
Concentration	1
Calculated MW	35.8 kDa (316 aa, 1-316 aa), confirmed by MALDI-TOF. KDa

Aldose Reductase, human recombinant protein - Additional Info

Gene ID	231
Gene Symbol	AKR1B1

Other Names

Aldo-keto reductase family1, member B1, AKR1B1, ADR, ALDR1, ALR2, AR

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MASRLLLNNG AKMPILGLGT WKSPPGQVTE AVKVAIDVGY RHIDCAHVYQ NENEVGVAIQ EKLREQVVKR EELFIVSKLW CTYHEKGLVK GACQKTLSDL KLDYLDLYLI HWPTGFKPGK EFFPLDESGN VVPSDTNILD TWAAMEELVD EGLVKAIGIS NFNHLQVEMI LNKPGLKYKP AVNQIECHPY LTQEKLIQYC QSKGIVVTAY SPLGSPDRPW AKPEDPSLLE DPRIKAIAAK HNKTTAQVLI RFPMQRNLVV IPKSVTPERI AENFKVFDFE LSSQDMTTLL SYNRNWRVCA LLSCTSHKDY PFHEEF

Target/Specificity

Aldose Reductase

Format

Liquid

Storage

-80°C; 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT and 10% glycerol.

Aldose Reductase, 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 Cytomety
- Cell Culture

Aldose Reductase, human recombinant protein - Images

Aldose Reductase, human recombinant protein - Background

Aldose reductase (AKR1B1) is a member of the aldo-keto reductase (AKR) superfamily and catalyzes the NADPH-dependent reduction of a wide variety of carbonyl-containing compounds to their corresponding alcohols. This protein is implicated in the development of diabetic complications by catalyzing the reduction of glucose to sorbitol. Recombinant Aldose reductase (AKR1B) protein was expressed in E.coli and purified by using conventional chromatography techniques.

Aldose Reductase, human recombinant protein - References

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