Human AKR1B1 Recombinant Protein

RPPB1369

Product Information

Product SKU:
RPPB1369

Accession:
P15121

Host:
Escherichia Coli.

Protein Information

Protein description:
AKR1B1 Human Recombinant amino produced in E.Coli is a single, non-glycosylated polypeptide chain containing 316 amino acids having a molecular mass of 35.8 kDa.The AKR1B1 is purified by proprietary chromatographic techniques.

Appearance:
Sterile filtered colorless solution.

Synonyms:
Aldehyde Reductase, EC 1.1.1.21, ALR2, ALDR1, MGC1804, Aldo-keto reductase family1 member B1, Aldose Reductase, AKR1B1, AR, ADR.

Formulation:
The 1mg/ml protein solution contains 20mM Tris-HCl buffer pH 8, 10% glycerol, and 1mM DTT.

Purity:
Greater than 95.0% as determined by SDS-PAGE.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid 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.

Biological Activity:
Specific activity is > 800pmol/min/ug, and is defined as the amount of enzyme that catalyze the reduction of 1.0 pmole DL-glyceraldehyde in the presence of NADPH per minute at pH7.0 at 37°C.