

Human AKR1C1 Recombinant Protein



RPPB5795

Product Information Protein Information

Product SKU:

RPPB5795

Accession:

Q04828

Host:

Escherichia Coli.

Protein description:

AKR1C1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 323 amino acids (1-323) and having a molecular mass of 36.7 kDa. AKR1C1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

DDH1, DDH, HAKRC, 20-alpha-HSD, DD1/DD2, HBAB, C9, DD1, H-37, MBAB, MGC8954, 2-ALPHA-HSD, AKR1C1, Aldo-keto reductase family 1 member C1, 20-alpha-hydroxysteroid dehydrogenase, Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase, Indanol dehydrogenase, Dihydrodiol dehydrogenase 1/2, Chlordecone reductase homolog HAKRC, High-affinity hepatic bile acid-binding protein

Formulation:

The AKR1C1 solution (1mg/ml) contains 20% Glycerol, 0.1M NaCl and 20mM Tris-HCl buffer (pH 8.5).

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:

MDSKYQCVKL NDGHFMPVLG FGTYAPAEVP KSKALEATKL AIEAGFRHID SAHLYNNEEQ VGLAIRSKIA
DGSVKREDIF YTSKLCWNSH RPELVPALE RSLKNLQLDY VDLYLIHFPV SVKPGEEVIP KDENGKILFD
TVDLCATWEA VEKCKDAGLA KSIGVSNFNR RQLEMILNKP GLKYKPCVNCQ VECHPYFNQR KLLDFCKSKD
IVLVAYSALG SHREEPWVDP NSPVLLEDVLCALAKKHKR TPALIALRYQ LQRGVVVLAK SYNEQRIRQN
VQVFEFQLTS EEMKAIDGLN RNVRYLTLDI FAGPPNYPFS DEY

Biological Activity:

Specific activity is > 500pmol/min/ug. It is defined by the amount of enzyme that catalyzes oxidation of 1.0pmole 1-Acenaphthenol in the presence of NADP per minute at pH 8.8 at 25°C.