

RPPB1376

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## Product Information    Protein Information

**Product SKU:**

RPPB1376

**Accession:**

P17516

**Host:**

Escherichia Coli.

**Protein description:**

AKR1C4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 343 amino acids (1-323) and having a molecular mass of 39.2 kDa. The AKR1C4 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Appearance:**

AKR1C4 is supplied as a sterile filtered clear solution.

**Synonyms:**

Aldo-keto reductase family 1 member C4 (chlordecone reductase 3-alpha hydroxysteroid dehydrogenase type I dihydrodiol dehydrogenase 4), 3-alpha-hydroxysteroid dehydrogenase type I, MGC22581, HAKRA, 3 alpha-hydroxysteroid dehydrogenase/dihydrodiol dehydrogenase 4, CDR, DD4, CHDR, 3-alpha-HSD1, C11.

**Formulation:**

AKR1C4 protein 1mg/ml is supplied in 20mM Tris-HCl, pH-8, 0.1M NaCl, 1mM DTT and 20% Glycerol.

**Purity:**

Greater than 90.0% 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:**

MGSSHHHHHH SGLVPRGSH MDPKYQRVEL NDGHFMPVLG FGTYAPPEVP RNRAVEVTKL AIEAGFRHID  
SAYLYNNEEQ VGLAIRSKIA DGSVKREDIF YTSKLWCTFF QPQMVQPALE SSLKKLQLDY VDLYLLHFPM  
ALKPGETPLP KDENGKVIDF TVDLSATWEV MEKCKDAGLAKSIGVSNFNC RQLEMILNKP GLKYKPCVNQ  
VECHPYLNQS KLLDFCKSKD IMLVAHSALG TQRHKLWVDP NSPVLLDPV LCALAKKHKR TPALIALRYQ  
LQRGVVVLAK SYNEQRIREN IQVFEFQLTS EDMKVL DGLN RNYRYVVMDF LMDHPDYPFS DEY.

**Biological Activity:**

Specific activity is > 700 pmol/min/ug, and is defined as the amount of enzyme that catalyze the oxidation of 1.0 pmole 1-Acenaphthenol in the presence of NADP per minute at pH 8.8 at 25°C.