

Human AKR1C4 Recombinant Protein



RPPB5796

Product Information Protein Information

Product SKU:

RPPB5796

Accession:

P17516

Host:

Escherichia Coli.

Protein description:

AKR1C4 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 323 amino acids (1-323aa) and having a molecular mass of 37kDa.

Appearance:

Sterile Filtered colorless 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 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.5), 0.1M NaCl, 10% glycerol and 1mM DTT.

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:

MDPKYQRVEL NDGHFMPVLG FGTYAPPEVP RNRAVEVTKL AIEAGFRHID SAYLYNNEEQ VGLAIRSKIA
DGSVKREDIF YTSKLWCTFF QPQMVPAL E SSLKLLQLDY VDLYLLHFPM ALKPGETPLP KDENGKVIFD
TVDLSATWEV MEKCKDAGLA KSIGVSNFNC RQLEMILNKP GLKYKPCVNCQ VECHPYLNQS KLLDFCKSKD
IVLVAHSALG TQRHKLWVDP NSPVLLEDPV LCALAKKHKR TPALIALRYQ LQRGVVVLAK SYNEQRIREN
IQVFEFQLTS EDMKVL DGLN RNYRYVVMDF LMDHPDYPFS DEY.

Biological Activity:

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