

Human AKR1C3 Recombinant Protein



RPPB1375

Product Information Protein Information

Product SKU:

RPPB1375

Accession:

P42330

Host:

Escherichia Coli.

Protein description:

AKR1C3 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 36.8 kDa. AKR1C3 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

DD3, DDX, HAKRB, HAKRe, HA1753, HSD17B5, hluPGFS, KIAA0119, AKR1C3, Aldo-keto reductase family 1 member C3, 3-alpha-HSD type 2, 17-beta-HSD 5, PGFS, DD-3.

Formulation:

The AKR1C3 solution (1mg/ml) contains 10% Glycerol, 0.1M NaCl, 1mM DTT and 20mM Tris-HCl buffer (pH 8.5).

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:

MDSKHQCVKL NDGHFMPVLG FGTYAPPEVP RSKALEVTKL AIEAGFRHID SAHLYNNEEQ VGLAIRSKIA
DGSVKREDIF YTSKLWSTFH RPELVRPALE NSLKKAQLDY VDLYLIHSPM SLKPGEELSP TDENGKVIDF
IVDLCTTWEA MEKCKDAGLA KSIGVSNFNR RQLEMILNKP GLKYKPCVNCQ VECHPYFNRS KLLDFCKSKD
IVLVAYSALG SQRDKRWVDP NSPVLLEDVLCALAKKHKR TPALIALRYQ LQRGVVVLAK SYNEQRIRQN
VQVFEFQLTA EDMKAIDGLD RNLHYFNSDS FASHPNYPYS DEY

Biological Activity:

Specific activity is > 1,000pmol/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.