

Human AKR1C3 Recombinant Protein



RPPB1374

Product Information Protein Information

Product SKU:

RPPB1374

Accession:

P42330

Host:

Escherichia Coli.

Protein description:

AKR1C3 Human Recombinant fused to 20 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 343 amino acids (1-323 a.a.) and having a molecular mass of 39 kDa. The AKR1C3 is fused to a 20 amino acid His tag purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear 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 contains 20mM Tris-HCl pH-8 and 10% glycerol.

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:

MGSSHHHHHH SGLVPRGSH MDSKHQCVKL NDGHFMPVLG FGTYAPPEVP RSKALEVTKL AIEAGFRHID
SAHLYNNEEQ VGLAIRSKIA DGSVKREDIF YTSKLNWSTFH RPELVRPALE NSLKAQLDY VDLYLIHSPM
SLKPGEELSP TDENGKVIDF IVDLCTTWEA MEKCKDAGLA KSIGVSNFNR RQLEMILNKPLKYPVCNQ
VECHPYFNRS KLLDFCKSKD IVLVAYSALG SQRDKRWVDP NSPVLLEDPV LCALAKKHKR TPALIALRYQ
LQRGVVVLAK SYNEQRIRQN VQVFEFQLTA EDMKAIDGLD RNLHYFNSDS FASHPNYPYS DEY.

Biological Activity:

Specific activity: approximately < 0.1 units/mg. Enzymatic activity was confirmed by measuring the amount of enzyme catalyzing the oxidation of 1 micromole NADPH per minute at 25°C. Specific activity was expressed as units/mg protein.