

Human AKR7A2 Recombinant Protein



RPPB1380

Product Information Protein Information

Product SKU:

RPPB1380

Accession:

O43488

Host:

Escherichia Coli.

Protein description:

AKR7A2 Human Recombinant fused to a 39 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 398 amino acids (1-359 a.a) and having a molecular mass of 44 kDa. The AKR7A2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear colorless solution.

Synonyms:

Aflatoxin B1 aldehyde reductase member 2, AFAR, AFAR1, AFB1-AR1, AKR7, Succinic semialdehyde reductase, SSA reductase, AFB1 aldehyde reductase 1, Aldoketoreductase 7, AKR7A2.

Formulation:

The AKR7A2 solution contains 20mM Tris-HCl pH-8, 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:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELEM LSAASRVVSR AAVHCALRSP
PPEARALAMS RPPPPRVASV LGTMEMGRRM DAPASAAAVR AFLERGHTEL DTAFMYSYGQ SETILGGLGL
GLGGGDCRVK IATKANPWDG KSLKPDSVRS QLETSLKRLQ CPQVDLFYLH APDHGTPVEE TLHACQRLHQ
EGKFVELGLS NYASWEVAEI CTLCKSNGWI LPTVYQGMYN ATTRQVETEL FPCLRHFGLR FYAYNPLAGG
LLTGKYKYED KDGKQPVGRF FGNSWAETYR NRFWKEHHFE AIALVEKALQ AAYGASAPSV TSAALRWMYH
HSQLQGAHGD AVILGMSSLE QLEQNLAATE EGGLEPAVVD AFNQAWHLVA HECPNYFR.

Biological Activity:

Specific activity: approximately 0.25-0.3 units/mg. Enzymatic activity was confirmed by measuring the amount of enzyme catalyzing the oxidation of 1 micromole NADPH per minute at 25C. Specific activity was expressed as units/mg protein.