

Human AKR7A3 Recombinant Protein



RPPB5800

Product Information Protein Information

Product SKU:

RPPB5800

Accession:

O95154

Host:

Escherichia Coli.

Protein description:

AKR7A3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 331 amino acids (1-331) and having a molecular mass of 37.7 kDa. AKR7A3 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

AFAR2, Aflatoxin B1 aldehyde reductase member 3, AFB1 aldehyde reductase 2, AFB1-AR 2, AKR7A3.

Formulation:

The AKR7A3 solution (1mg/ml) contains 10% Glycerol 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:

MSRQLSRARP ATVLGAMEMG RRMDAPTSAA VTRAFLEGRH TEIDTAFVYS EGQSETILGG LGLRLGGSDC
RVKIDTKAIP LFGNSLKPDS LRFQLETSK RLQCPDVDLF YLHMPDHSTP VEETLRACHQ LHQEGKFVEL
GLSNYAWEV AEICTLCKSN GWILPTVYQG MYNAITRQVE TELFPCLRFH GLRFYAFNPL AGLLTGKYG
YEDKDGKQPV GRFFGNTWAE MYRNRYWKEH HFEGIALVEK ALQAAYGASA PSMTSATLRW MYHHSQLQGA
HGDAVILGMS SLEQLEQNLA AAEEGPLEPA VVDAFNQAWH LVAHECPNYF R

Biological Activity:

Specific activity is > 800pmol/min/ug. It is defined by the amount of enzyme that catalyzes the reduction of 1.0pmole of 1,2-Naphthoquinone in the presence of NADPH per minute at pH 7.0 at 25°C.