

Human AKR7A3 Recombinant Protein



RPPB5799

Product Information Protein Information

Product SKU:

RPPB5799

Accession:

O95154

Host:

Escherichia Coli.

Protein description:

AKR7A3 Human Recombinant fused to a 39 amino acids His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 370 amino acids (1-331 a.a.) and having a molecular mass of 41.6 kDa. The AKR7A3 is fused to a 39 amino acid His tag at n-terminal and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear colorless solution.

Synonyms:

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

Formulation:

The AKR7A3 solution contains 20mM Tris-HCl pH-8, 0.1M NaCl 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:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELEM SRQLSRARPA TVLGAMEMGR
RMDAPTSAAV TRAFLEGRHT EIDTAFVYSE GQSETILGGL GLRLGGSDCR VKIDTKAIPL FGNSLKPDSL
RFQLETSLKR LQCPRVDLFY LHMPDHSTPV EETLRACHQL HQEGKFVELG LSNYAAWEVA EICTLCKSNG
WILPTVYQGM YNAITRQVET ELFPCRHFH LRFYAFNPLA GLLTGKYKY EDKDGKQPVG RFFGNTWAEM
YRNRWKEHH FEGIALVEKA LQAAYGASAP SMTSATLRWM YHHSQLQGAH GDAVILGMSS LEQLEQNLA
AEEGPLPAV VDAFNQAWHL VAHECPNYFR.

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 25C. Specific activity was expressed as units/mg protein.