

Recombinant Human AKR7A3, His-tagged

Cat. No. AKR7A3-26149TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human AKR7A3 fused to His tag at N-terminus; amino acids 1-331 , 41.6kDa.
Species	Human
Source	E.coli
ProteinLength	1-331 a.a.
Description	Aldo-keto reductases, such as AKR7A3, are involved in the detoxification of aldehydes and ketones.
Conjugation	HIS
Tissue specificity	Expressed in colon, kidney, liver, pancreas, adenocarcinoma and endometrium.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 100mM Sodium chloride, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELEM SRQLSRARPA
TVLGAMEMGR RMDAP TSAAV TRAFLE RGH T EIDTAFVYSE GQSETILGGL
GLRLGGSDCR VKIDTKAIPL FGNSLKPSL RFQLETS LKR LQCPRVDLFY
LHMPDHSTPV EETLRACHQL HQEGKFVELG LSNYAAWEVA EICTLCKSNG
WILPTVYQGM YNAITRQVET ELFPCLR HFG LRFYAFNPLA GGLLTGKYKY
EDKDGKQPVG RFFGNTWAEM YRNRYWKEHH FEGIALVEKA LQAAYGASAP
SMTSATLRWM YHHSQLQGAH GDAVILGMSS LEQLEQNLAA AEEGP LPAV
VDAFNQAWHL VAHECPNYFR

Sequence Similarities

Belongs to the aldo/keto reductase 2 family.

Full Length

Full L.

GENE INFORMATION
Gene Name

AKR7A3 aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase) [Homo sapiens]

Official Symbol

AKR7A3

Synonyms

AKR7A3; aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase); aflatoxin B1 aldehyde reductase member 3;

Gene ID

22977

mRNA Refseq

NM_012067

Protein Refseq

NP_036199

MIM

608477

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Uniprot ID	O95154
Chromosome Location	1p36.13
Pathway	Metabolism of xenobiotics by cytochrome P450, organism-specific biosystem; Metabolism of xenobiotics by cytochrome P450, conserved biosystem;
Function	aldo-keto reductase (NADP) activity; electron carrier activity; oxidoreductase activity;

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