

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 FGNSLKPDSL RFQLETSLKR LQCPRVDFY
 LHMPDHSTPV EETLRACHQL HQEGKFVELG LSNYA AWEVA EICTLCKSNG
 WILPTVYQGM YNAITRQVET ELFPCLR HFG LRFYAFNPLA GLLTGKYKY
 EDKDGKQPVG RFFGNTWAEM YRNR YWKEHH FEGIALVEKA LQAAYGASAP
 SMTSATLRWM YHHSQLQGAH GDAVILGMSS LEQLEQN LAA AEEGPLEPAV
 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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