Recombinant Human AKR7A3, His-tagged

Cat. No. AKR7A3-26727TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human AKR7A3 with a N terminal His tag. 370 amino acids with a predicted MWt 41.6 kDa including tag.
Species	Human
Source	E.coli
ProteinLength	331 amino acids
Description	Aldo-keto reductases, such as AKR7A3, are involved in the detoxification of aldehydes and ketones.
Conjugation	HIS
Molecular Weight	41.600kDa inclusive of tags
Tissue specificity	Expressed in colon, kidney, liver, pancreas, adenocarcinoma and endometrium.
Biological activity	Specific activity: approximately
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 0.58% Sodium chloride, 10% Glycerol

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Storage	Please see Notes section
Sequences of amino acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELEM SRQLSRARPA TVLGAMEMGR RMDAPTSAAV TRAFLERGHT EIDTAFVYSE GQSETILGGL GLRLGGSDCR VKIDTKAIPL FGNSLKPDSL RFQLETSLKR LQCPRVDLFY LHMPDHSTPV EETLRACHQL HQEGKFVELG LSNYAAWEVA EICTLCKSNG WILPTVYQGM YNAITRQVET ELFPCLRHFG LRFYAFNPLA GGLLTGKYKY EDKDGKQPVG RFFGNTWAEM YRNRYWKEHH FEGIALVEKA LQAAYGASAP SMTSATLRWM YHHSQLQGAH GDAVILGMSS LEQLEQNLAA AEEGPLEPAV VDAFNQAWHL VAHECPNYFR
Sequence Similarities	Belongs to the aldo/keto reductase 2 family.

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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