

Human recombinant protein AKR7A2
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Catalog # PBV10572r**Specification****Human recombinant protein AKR7A2 - Product info**

Primary Accession	O43488
Concentration	0.5
Calculated MW	44 kDa KDa

Human recombinant protein AKR7A2 - Additional Info

Gene ID	8574
Gene Symbol	AKR7A2

Other Names

Aldo-keto reductase family 7, member A 2, Aflatoxin B1 aldehyde reductase member 2, AFAR, AFAR1, AFB1-AR1, AKR7.

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELE LSAASRVVSR AAVHCALRSP PPEARALAMS RPPPPRVASV LGTMEMGRRM DAPASAAVR AFLERGHTEL DTAFMYS DGQ SETILGGLGL GLGGGDCRVK IATKANPWDG KSLKPDSVRS QLETSLKRLQ CPQVDLFY LH APDHGTPVEE TLHACQRLHQ EGKFVELGLS NYASWEVAEI CTLCKSNGWI LPTVYQGMYN ATTRQVETEL FPCLRHFGLR FYAYNPLAGG LLTGKYKYED KDGKQPVGRF FGNSWAET YR NRFWKEHHFE AIALVEKALQ AAYGASAPSV TSAALRW MYH HSQ LQGAHGD AVILGMSSLE QLEQNLAATE EGPLEPAVVD AFNQAWHLVA HECPNYFR

Format

Liquid

Storage

-80°C; 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT and 20% glycerol.

Human recombinant protein AKR7A2 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein AKR7A2 - Images

Human recombinant protein AKR7A2 - Background

Aldo-keto reductases, such as AKR7A2, are involved in the detoxification of aldehydes and ketones. This protein can reduce the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the nonbinding AFB1 dialcohol. It may be involved in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen. Also, it has been proposed previously to catalyze the NADPH-dependent reduction of succinic semialdehyde (SSA) to Gamma-Hydroxybutyrate in human brain.