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Human recombinant protein AKR7A3

Human Recombinant AKR7A3
Catalog # PBV10571r

Specification

Human recombinant protein AKR7A3 - Product info

Primary Accession	O95154
Concentration	0.5
Calculated MW	41.6 kDa KDa

Human recombinant protein AKR7A3 - Additional Info

Gene ID	22977
Gene Symbol	AKR7A3

Other Names
Aldo-keto reductase family 7, member A 3, Aflatoxin B1 aldehyde reductase member 3, AFB1 aldehyde reductase 2(AFAR2).

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELE 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

Format
Liquid

Storage
-80°C; 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl and 10% glycerol.

Human recombinant protein AKR7A3 - Protocols

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

- Western Blot

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human recombinant protein AKR7A3 - Images

Human recombinant protein AKR7A3 - Background

AKR7A3, is a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. It takes part in the detoxification of aldehydes and ketones. AKR7A3 reduces the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the non-binding AFB1 dialcohol. AKR7A3 participates in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen.

Human recombinant protein AKR7A3 - References

Knight L.P.,et al.Carcinogenesis 20:1215-1223(1999).
Praml C.,et al.Oncogene 22:4765-4773(2003).
Gregory S.G.,et al.Nature 441:315-321(2006).
Bodreddigari S.,et al.Chem. Res. Toxicol. 21:1134-1142(2008).