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AKR7A3, 1-331aa, Human, E.coli (Bioactivity Validated)

产品货号: TP01113

第三版

别名: Aldo-keto reductase family 7, member A 3, Aflatoxin B1 aldehyde reductase member 3, AFB1 aldehyde reductase 2 (AFAR2)

描述: Aldo-keto reductase family 7, member A 3, also known as AKR7A3, is a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member includes a number of related monomeric NADPH-dependent oxidoreductases, such as aldehyde reductase, aldose reductase, prostaglandin F synthase, xylose reductase, rho crystallin, and many others. AKR7A3 is involved in the detoxification of aldehydes and ketones. The activity of AKR7A3 may detoxify the aflatoxin B1 (AFB1) dialdehyde, which reacts with proteins, and thereby inhibits AFB 1 induced toxicity. Recombinant human AKR7A3 was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH8.5) containing 10% glycerol

分子量: 37.7 kDa (331aa)

序列:

MSRQLSRARPATVLGAMEMGRRMDAPTSAAVTRAFLEGRHTEIDTAFVYSEGQSETILGGLGLRLGGSDCRVKIDTKAIPL
FGNSLKPDSLRFQLETSLKRLQCPRVDLFYLMHPDHSTPVEETLRACHQLHQEGKFVELGLSNYAAWEVAEICTLCKSNG
WILPTVYQGMYNITRQVETELFPCLRHFGLRFYAFNPLAGLLTGKYKYEDKDQKQPVGRFFGNTWAEMYRNRYWKE
HHFEGIALVEKALQAAYGASAPSMSTATLRWMYHHSQQLQGAHGDAVILGMSSLEQLQNLAAAEGLPEPAVVDAFNQ
AWHLVAHECPNYFR

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.