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AKR1D1, 1-326aa, Human, E.coli

产品货号: TP01110

第三版

别名:3o5bred, CBAS2, SRD5B1

描述:AKR1D1 also known as 3-oxo-5beta-steroid 4-dehydrogenase isoform 1, is a member of the AKR superfamily. The AKR family of proteins are soluble NADPH oxidoreductases. They play important roles in the metabolism of drugs, carcinogens and reactive aldehydes. AKR1D1 is responsible for the catalysis of the 5-beta-reduction of bile acid intermediates and steroid hormones which carry a delta (4)-3-one structure. AKR1D1 is highly expressed in liver, colon and testis. Deficiency of this enzyme may contribute to hepatic dysfunction. Recombinant AKR1D1 protein was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 1mM DTT, 0.1M NaCl, 10% glycerol

分子量:37.3 kDa (326aa)

序列:

MDLSAASHRIPLSDGNSIPIIGLTYSEPKSTPKGACATSVKVAIDTGYRHIDGAYIYQNEHEVGEAIREKIAEGKVRREDIFY
CGKLWATNHVPEMVRPTLERTLRVLQLDYVDLYIIEVPMFAFKPGDEIYPRDENGKWLYHKSNLNLCATWEAMEACKDAGL
VKSLGVSNNFRRRQLELILNKPLKHKPVSNNQVECHPYFTQPKLLKFCQQHDI VITAYSPLGTSRNPIWVNVSSPPLLKDALL
NSLGKRYNKTAQAQIVLRFNIQRGVVVIPKSFNLERIKENFQIFDFSLTEEMKDIEALNKNVRFVELLMWRDHPEYPFHDEY

纯度:> 95% by HPLC

浓度:1mg/ml (determined by Absorbance at 280nm)

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.