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Aldose reductase, 1-316aa, Human, Recombinant, E.coli

产品货号: TP01136

第三版

别名:Aldo-keto reductase family1, member B1; AKR1B1; ADR; ALDR1; ALR2; AR.

描述:Aldose reductase (AKR1B1) is a member of the aldo-keto reductase (AKR) superfamily and catalyzes the NADPH-dependent reduction of a wide variety of carbonyl-containing compounds to their corresponding alcohols. This protein is implicated in the development of diabetic complications by catalyzing the reduction of glucose to sorbitol.

配方:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol

分子量:35.8kDa (316aa) , confirmed by MALDI-TOF

序列:

MASRLLLNGAKMPILGLGTWKSPGQVTEAVKVAIDVGYRHIDCAHVYQNEVEGVAIQEKLREQVVKREELFIVSKL  
WCTYHEKGLVKGACQKTLSDLKLDYLDLYLIHWPTGFKPGKEFFPLDESGNVVPSDTNILDWAAMEELVDEGLVKAIGI  
SNFNHLQVEMILNKPGLKYKPAVNQIECHPYLTQEKLIQYCQSKGIVVTAYSPLGSPDRPWAKPEDPSLLEDPRIKAIAAKH  
NKTTAQLIRFPMQRNLVVIPKSVTPERIAENFKVDFELSSQDMTLLSYNRNWRVCALLSCTSHKDYPFHEEF

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.