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Aldo-keto reductase family 1 member C3 isoform 1, 1-323aa, Human, E.coli (Bioactivity Validated)

产品货号: TP01129

第三版

别名:DD3, DDX, HA1753, HAKRB, HAKRe, hluPGFS, HSD17B5, PGFS

描述:AKR1C3 also known as Aldo-keto reductase family 1 member C3 isoform 1, is a member of the aldo-keto reductase superfamily which catalyzes the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. This enzyme catalyzes the reduction of prostaglandin (PG) D2, PGH2 and phenanthrenequinone (PQ), and the oxidation of 9 alpha, 11 beta-PGF2 to PGD2. It may play an important role in the pathogenesis of allergic diseases such as asthma, and may also have a role in controlling cell growth and differentiation. Recombinant human AKR1C3 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 0.1M NaCl, 10% glycerol, 1mM DTT

分子量:36.8kDa (323aa)

序列:

MDSKHQCVKLNDGHFMPVLGFGTYAPPEVPRSKALEVTKLAI EAGFRHIDSAHLYNNEEQVGLAIRSKIADG SVKREDIFY
TSKLTWSTFHRPELVRPALENSLKAQLDYVDLYLIHSPMSLKPGEELSPTDENGKVIFDIVDLCTTWEAMEKCKDAGLAKSI
GVSNFNRRLQLEMILNKPLKYPVCNQVECHPYFNRSKLLDFCKSKDIVLVAYSALGSRDKRWVDPNSPVLLEDPVLCA
LAKKHKRTPALIALRYQLQRGVVVLAKSYNEQRIRQNVQVFEFQLTAEDMKAIDGLDRNLHYFNSDSFASHPNYPYSDEY

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.