

HSD17B8, 1-261aa, Human, His tag, E.coli

Cat.NO.: TP02513

3th Edition

Synonyms:Estradiol 17-beta-dehydrogenase 8, FABGL, HKE6, RING2

Description:HSD17B8, also known as estradiol 17-beta-dehydrogenase 8, belongs to the short-chain dehydrogenases/reductases (SDR) family. In mice, the Ke6 protein is a 17-beta-hydroxysteroid dehydrogenase that can regulate the concentration of biologically active estrogens and androgens. It is preferentially an oxidative enzyme and inactivates estradiol, testosterone, and dihydrotestosterone. However, the enzyme has some reductive activity and can synthesize estradiol from estrone.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol 150mM NaCl

Molecular Weight:29.1 kDa (281aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMASQLQNRLRSALALVTGAGSGIGRAVSVRLAGEGATVAACDLDRAAAQETVRL
LGGPGSKEGPPRGNHAAFQADVSEARAARCLLEQVQACFSRPPSVVVSCAGITQDEFLLHMSEDDWDKVIIVNLK
GTFLVTQAAAQALVSNGCRGSIINISSIVGKVGNGVQNTNYAASKAGVIGLTQTAARELGRHGIRCNSVLPGFATPMT
QKVPQKVVDKITEMIPMGHLGDPEDVADVVAFLASEDSGYITGTSVEVTGGLFM

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.