

AR09941PU-L

Human 17-beta HSD8 / HSD17B8 (1-261, His-tag) - Purified

Alternate names:

17-beta-hydroxysteroid dehydrogenase 8, 3-oxoacyl-[acyl-carrier-protein] reductase, Estradiol 17-beta-dehydrogenase 8, FABGL, HKE6, Protein Ke6, RING2, Really interesting new gene 2 protein, Testosterone 17-beta-dehydrogenase 8

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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. It may play a role in biosynthesis of fatty acids in mitochondria.

Uniprot ID:

[Q92506](#)

NCBI:

[NP_055049](#)

GenelD:

[7923](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 150mM NaCl

Description:

Recombinant human HSD17B8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MASQLQNRLR SALALVTGAG SGIGRAVSVR LAGEGATVAA
CDLDRAAAQE TVRLLGGPGS KEGPPRGNHA AFQADVSEAR AARCLLEQVQ ACFSRPPSVV
VSCAGITQDE FLLHMSDDW DKVIAVNLKG TFLVTQAAAQ ALVSNGCRGS IINISSIVGK
VGNVGQTNYA ASKAGVIGLT QTAARELGRH GIRCNSVLPG FIATPMTQKV PQKVVDKITE
MIPMGHLGDP EDVADVVAFL ASEDGYITG TSVEVTGGLF M

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

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

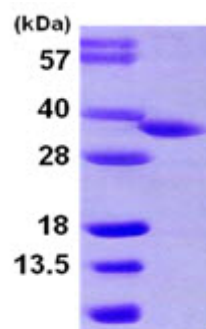
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

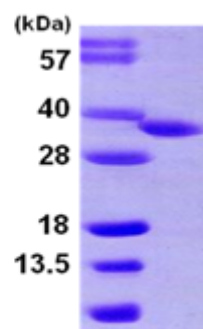
Rotinen M., et al. (2009) Endocrinol 200:85-92.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human HSD17B8, 1-261aa,
His-tagged



15% SDS-PAGE (3ug)