

## Product datasheet for **AR09941PU-N**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	17-beta HSD8 / HSD17B8 (1-261, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MASQLQNRLR SALALVTGAG SGIGRAVSVR LAGEGATVAA CDLDRAAAQE TVRLLGGPGS KEGPPRGNHA AFQADVSEAR AARCLLEQVQ ACFSRPPSVV VSCAGITQDE FLLHMSEDDW DKVIAVNLKG TFLVTQAAAQ ALVSNGCRGS IINISSIVGK VGNVGQNTNYA ASKAGVIGLT QTAARELGRH GIRCNSVLPG FIATPMTQKV PQKVVDKITE MIPMGHLGDP EDVADWAFL ASED SGYITG TSVEVTGGLF M
Tag:	His-tag
Predicted MW:	29.1 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 150 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HSD17B8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_055049</u>
Locus ID:	7923
UniProt ID:	<u>Q92506, A0A1U9X7U3</u>
Cytogenetics:	6p21.32
Synonyms:	D6S2245E; dj1033B10.9; FABG; FABGL; H2-KE6; HKE6; KE6; RING2; SDR30C1



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**Summary:**

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. The protein encoded by this gene is similar to Ke6 and is a member of the short-chain dehydrogenase superfamily. An alternatively spliced transcript of this gene has been detected, but the full-length nature of this variant has not been determined. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Androgen and estrogen metabolism, Metabolic pathways

**Product images:**