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32-2457: HSD17B8 Recombinant Protein

Alternative Name :	Estradiol 17-beta-dehydrogenase 8,17-beta-hydroxysteroid dehydrogenase 8,17-beta-HSD 8,3-oxoacyl-[acyl-carrier-protein] reductase,Protein Ke6,Ke-6,Really interesting new gene 2 protein,Testosterone 17-beta-dehydrogenase 8,HSD17B8,FABGL,HKE6

Description

Source : Escherichia Coli. HSD17B8 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 281 amino acids (1-261 a.a.) and having a molecular mass of 29.1kDa.HSD17B8 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Estradiol 17-beta-dehydrogenase 8 (HSD17B8) is a member of the short-chain dehydrogenases/reductases (SDR) family. In mice, the HSD17B8 protein is a 17-beta-hydroxysteroid dehydrogenase which can regulate the concentration of biologically active estrogens and androgens. HSD17B8 is preferentially an oxidative enzyme and inactivates estradiol, testosterone, and dihydrotestosterone. However, the HSD17B8 enzyme has some reductive activity and can synthesize estradiol from estrone. HSD17B8 may have a role in biosynthesis of fatty acids in mitochondria.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	HSD17B8 solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol and 150mM NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MASQLQNRLR SALALVTGAG SGIGRAVSVR LAGEGATVAA CDLDRAAAQE TVRLLGGPGS KEGPPRGNHA AFQADVSEAR AARCLLEQVQ ACFSRPPSVV VSCAGITQDE FLLHMSEDDW DKVIAVNLKG TFLVTQAAAQ ALVSNGCRGS IINISSIVGK VGNVGQTNYA ASKAGVIGLT QTAARELGRH GIRCNSVLPG FIATPMTQKV PQKVVDKITE MIPMGHLGDP EDVADVVAFL ASEDSGYITG TSVEVTGGLF M.

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