HSD17B14 Protein, Human (HEK293, His)

Cat. No.:	HY-P76975
Synonyms:	17-beta-hydroxysteroid dehydrogenase 14; 17-beta-HSD 14; DHRS10; SDR3; SDR47C1
Species:	Human
Source:	HEK293
Accession:	Q9BPX1/NP_057330.2 (M1-S270)
Gene ID:	51171
Molecular Weight:	Approximately 29.8 kDa

PROPERTIES

AA Sequence	MATGTRYAGK VVVVTGGGRG IGAGIVRAFV NSGARVVICD KDESGGRALE QELPGAVFIL CDVTQEDDVK TLVSETIRRF GRLDCVVNNA GHHPPPQRPE ETSAQGFRQL LELNLLGTYT LTKLALPYLR KSQGNVINIS SLVGAIGQAQ AVPYVATKGA VTAMTKALAL DESPYGVRVN CISPGNIWTP LWEELAALMP DPRATIREGM LAQPLGRMGQ PAEVGAAAVF LASEANFCTG IELLVTGGAE LGYGCKASRS TPVDAPDIPS
Biological Activity	Measured by its ability to up-regulate expression of VIM gene by MCF-7 human breast cancer cell when Recombinant Human HSD17B14 at 1 μg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The HSD17B14 protein exhibits NAD-dependent 17-beta-hydroxysteroid dehydrogenase activity, facilitating the conversion of oestradiol to oestrone. While the physiological substrate remains unidentified, the protein demonstrates enzymatic

	activity on both oestradiol and 5-androstene-3-beta,17-beta-diol in vitro.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA