

Recombinant human 17-beta-hydroxysteroid dehydrogenase 14

Catalog No: #AP71500

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Package Size: #AP71500-1 20ug #AP71500-2 100ug #AP71500-3 1mg

Description

Product Name	Recombinant human 17-beta-hydroxysteroid dehydrogenase 14
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-270aaSequence Info:Full Length
Other Names	17-beta-hydroxysteroid dehydrogenase DHRS10Dehydrogenase,reductase SDR family member 10Retinal short-chain dehydrogenase,reductase retSDR3Short chain dehydrogenase,reductase family 47C member 1
Accession No.	Q9BPX1
Uniprot	Q9BPX1
GeneID	51171;
Calculated MW	44.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MATGTRYAGKVVVVVTGGGRGIGAGIVRAFVNSGARVVICDKDESGGRALEQELPGAVFILCDVTQEDDVKTLV SETIRRFGRLCDVNNAGHHPPPQRPEETSAQGFRQLLELNLGTYTLTKLALPYLRKSQGNVINISLVGAIG QAQAVPYVATKGAVTAMTKALALDESPYGVRVNCISPGNIWTPLEELAALMPDPRATIREGMLAQPLGRMG QPAEVGAAAVFLASEANFCTGIELLVTGGAELGYGCKASRSTPVDAPDIPS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Has NAD-dependent 17-beta-hydroxysteroid dehydrogenase activity. Converts oestradiol to oestrone. The physiological substrate is not known. Acts on oestradiol and 5-androstene-3-beta,17-beta-diol (in vitro).

References

Structural and biochemical characterization of human orphan DHRS10 reveals a novel cytosolic enzyme with steroid dehydrogenase activity.Lukacik P., Keller B., Bunkoczi G., Kavanagh K., Hwa Lee W., Adamski J., Oppermann U.Biochem. J. 402:419-427(2007)Research Topic:Metabolism

Note: This product is for in vitro research use only