

HSD17B13 Protein, Human (P.pastoris, His-Myc)

Cat. No.:	HY-P71839
Synonyms:	HSD17B13; SCDR9; SDR16C3; HMFN0376; 17-beta-hydroxysteroid dehydrogenase 13
Species:	Human
Source:	P. pastoris
Accession:	Q7Z5P4 (20E-300K)
Gene ID:	345275
Molecular Weight:	Approximately 34.8 kDa

PROPERTIES

AA Sequence	<pre> E S L V K F F I P Q R R K S V A G E I V L I T G A G H G I G R Q T T Y E F A K R Q S I L V L W D I N K R G V E E T A A E C R K L G V T A H A Y V V D C S N R E E I Y R S L N Q V K K E V G D V T I V V N N A G T V Y P A D L L S T K D E E I T K T F E V N I L G H F W I T K A L L P S M M E R N H G H I V T V A S V C G H E G I P Y L I P Y C S S K F A A V G F H R G L T S E L Q A L G K T G I K T S C L C P V F V N T G F T K N P S T R L W P V L E T D E V V R S L I D G I L T N K K M I F V P S Y I N I F L R L Q K F L P E R A S A I L N R M Q N I Q F E A V V G H K I K M K </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder
Formulation	Lyophilized after extensive dialysis against solution in 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0 or 20 mM HEPES, 100 mM NaCl, 6% Trehalose, pH 7.5.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
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	HSD17B13 assumes a pivotal role in hepatic lipid metabolism, contributing significantly to the oxidation of diverse lipid substrates such as 17beta-estradiol, retinol, retinal, and leukotriene B4. This enzyme's catalytic activity has been
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demonstrated in vitro, showcasing its versatile involvement in lipid metabolism. Notably, HSD17B13 exhibits retinol/retinal dehydrogenase activity in vitro, underscoring its potential impact on critical pathways associated with lipid processing and metabolism.

Caution: Product has not been fully validated for medical applications. For research use only.

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