

## Product Data Sheet

## 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

DDODEDTIES	
PROPERTIES	
AA Sequence	ESLVKFFIPQ RRKSVAGEIV LITGAGHGIG RQTTYEFAKR QSILVLWDIN KRGVEETAAE CRKLGVTAHA YVVDCSNREE IYRSLNQVKK EVGDVTIVVN NAGTVYPADL LSTKDEEITK TFEVNILGHF WITKALLPSM MERNHGHIVT VASVCGHEGI PYLIPYCSSK FAAVGFHRGL TSELQALGKT GIKTSCLCPV FVNTGFTKNP STRLWPVLET DEVVRSLIDG ILTNKKMIFV PSYINIFLRL QKFLPERASA ILNRMQNIQF EAVVGHKIKM K
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-HC1, 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.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g}/\text{mL}$ in ddH2O.
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

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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