

Recombinant Full Length Human HSD3B7 Protein, GST-tagged

Cat. No. HSD3B7-3884HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HSD3B7 full-length ORF (NP_079469.2, 1 a.a. - 369 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	369 amino acids
Description	This gene encodes an enzyme which is involved in the initial stages of the synthesis of bile acids from cholesterol and a member of the short-chain dehydrogenase/reductase superfamily. The encoded protein is a membrane-associated endoplasmic reticulum protein which is active against 7-alpha hydroxylated sterol substrates. Mutations in this gene are associated with a congenital bile acid synthesis defect which leads to neonatal cholestasis, a form of progressive liver disease. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Molecular Mass	67.4 kDa
AA Sequence	MADSAQAQKLVLVTGGCGFLGEHVVRMLLQREPRLGELRVFDQHLGPWLEELKT GPVRVTAIQGDVTQAHEVAAAVAGAHVVIHTAGLVDVFGRASPKTIHEVNVQGTRNV IEACVQTGTRFLVYTSSMEVVGPNKKGHPFYRGNEPTPYEAVHRHPYPCSKALAEW LVLEANGRKVRGGLPLVTCALRPTGIYGEGHQIMRDFYRQGLRLGGWLFRAIPASVE HGRVYVGNVAWMHVLAAARELEQRATLMGGQVYFCYDGSFYRSYEDFNMEFLGPC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	GLRLVGARPLLPHYWLLVFLAALNALLQWLLRPLVLYAPLLNPYTLAVANTTFTVSTDK AQRHFGYEPLFSWEDSRTRTILWVQAATGSAQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HSD3B7 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7 [Homo sapiens]
Official Symbol	HSD3B7
Synonyms	HSD3B7; hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7; 3 beta-hydroxysteroid dehydrogenase type 7; C(27) 3BETA HSD; SDR11E3; short chain dehydrogenase/reductase family 11E; member 3; 3-beta-HSD VII; C(27)-3BETA-HSD; c(27) 3-beta-HSD; 3 beta-hydroxysteroid dehydrogenase type VII; 3 beta-hydroxy-delta 5-C27-steroid oxidoreductase; 3-beta-hydroxy-Delta(5)-C27 steroid oxidoreductase; cholest-5-ene-3-beta,7-alpha-diol 3-beta-dehydrogenase; short chain dehydrogenase/reductase family 11E, member 3; CBAS1; PFIC4;
Gene ID	80270

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_025193
Protein Refseq	NP_079469
MIM	607764
UniProt ID	Q9H2F3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA