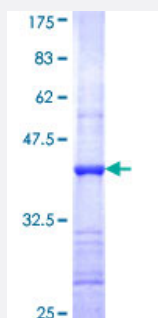


HSD3B7 (Human) Recombinant Protein (Q01)

Catalog # H00080270-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HSD3B7 partial ORF (NP_079469, 101 a.a. - 209 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	IHEVNVQGTRNVIEACVQTGTRFLVYTSSMEVVGPNTKGHPFYRGNEPTPYEAVHRHPYPCSKAL AEWLVLLEANGRKVRGGLPLVTCALRPTGIYGEGHQIMRDFYRQG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Interspecies Antigen Sequence	Mouse (86); Rat (79)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HSD3B7

Entrez GeneID [80270](#)

GeneBank Accession# [NM_025193](#)

Protein Accession# [NP_079469](#)

Gene Name HSD3B7

Gene Alias PFIC4, SDR11E3

Gene Description hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7

Omim ID [607764](#) [607765](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations 3 beta-hydroxy-delta 5-C27-steroid oxidoreductase|3 beta-hydroxysteroid dehydrogenase type VII|3-beta-HSD VII|C(27)-3BETA-HSD|short chain dehydrogenase/reductase family 11E, member 3

Pathway

- [Metabolic pathways](#)
- [Primary bile acid biosynthesis](#)